



SEQUENCE LISTING

<110> Farr, Spencer B.
Pickett, Gavin G.
Neft, Robin Eileen
Dunn, II, Robert Thomas

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 tcctcccgat cactgacact gacctctgtt agccgtctct ctcccccatac gcatctctgc 180
 tagtgctcac gatgacatcg ctgcatgcct gaacacgaat gaccactcac tggcagctaa 240
 actgtggagt cccatgaaac tgcccaaccc ctagtgcgtcc ctgcctggcct ctgtttccat 300
 ctccgggtggca ccatacaagg acacagcact ctggcagccc aaattccctgc agagacgagg 360
 gcccctgcagg cagttggcag aagaggccgg cgaggattcc tggcctggcct cccgaaagctt 420
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 gtcatgtcca gttggagtt ctttcca 507

<210> 123
 <211> 510
 <212> DNA
 <213> Canis familiaris

<400> 123
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 cgggtcgat cacatgaaga gattatgcag gcagccaagg aggccaaacat acaccacttc 180
 atcgagacac tcctgagaa atacaacacc agagtaggag acaaaaggaaac ccagctctct 240
 ggtggccaga aacagcgcat tgccatagct cgcgtcttg ttagacagcc tcataatgg 300
 cttttggatg aagctacatc agctctggat acagaaagtg aaaagggtgtt ccaagaagcc 360
 ctggacacaag ccagagaagg ccgcacactgc attgtgatcg cccaccgtt gtccaccatc 420
 cagaatgcag atttaatagt ggtgtttcag aatggcaaag tcaaggagca tggcacacat 480
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<210> 124
 <211> 509
 <212> DNA
 <213> Canis familiaris

<220>
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 <222> (1)...(509)
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<400> 124

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<212> DNA						
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aagatctca	ggggcttaga	aatctgttc	tatggaccct	ttaccaacat	gcccacagat	240
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cccagaactg	ctgcagact					499

<210> 128
 <211> 385
 <212> DNA
 <213> Canis familiaris

<400> 128

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gcatctgcaa	aggaggctcg	gacaagtgc	gctgctgtgc	ctgaaccgca	tccgtgggtgc	240
tggggctggc	ggggggcgggg	gttggatg	ccacagcccc	ggaaatgtct	gtacagtgc	300
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<210> 129
 <211> 507
 <212> DNA
 <213> Canis familiaris

<400> 129

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catttgctgt	acgaagtgc	acaaagggac	ctaccgtac	aatgactgtc	caggcccagg	180
gctggacaca	gactgcaggg	aatgtaaaaa	cggaactttt	acagtttcag	agaaccacct	240
cagacaatgt	cttagctgct	ccaaatgc	aaaagaaatg	aaccagggtgg	agatttctcc	300
ttgtactgtg	taccggaca	cggtgtgtgg	ctgcaggaag	aaccagtacc	ggttttattg	360
gagtgaaacc	ctttccagt	gcaataactg	cagcctctgc	ctcaatggca	cggtgcagat	420
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gcatgaatgc	gtcttttgt	tgaactg				507

<210> 130
 <211> 504
 <212> DNA
 <213> Canis familiaris

<400> 130

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atgtctggtc	ctatggatt	tttctgtggg	agctcttctc	tttaggaagc	agcccttacc	240
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ccctgaaaag	gccgacgtcc	aagcagatcg	tgcagcta	tgagaagcag	atttcagata	420
gcaccaatca	tatttattcc	aacctcg	actgcagccc	caaccagag	cggccgtgg	480
tggaccattc	cgtcg	gatc	aatt			504

<210> 131
 <211> 508
 <212> DNA
 <213> Canis familiaris

<400> 131

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caacctgg	tg	agc	actg	gccc	caaccagag	240

cgtctatgcc	caagtacacct	tctgctccaa	tcgggcagct	tcgagtcaag	ctccgttcgt	300
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ctccccggc	tgcgtccaaac	cttgccgcca	acagtccatc	cacttggag	gagtattga	420
attgcatacca	ggtgctcgg	tgttcgtcaa	cgtgactgat	ccaagccaag	tgagccacgg	480
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<210> 132

<211> 508

<212> DNA

<213> Canis familiaris

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aagacctgtc	accgtcacct	tttactttat	cagcatcgat	gatcccggag	actgtgtcca	360
gaactatctc	atactctacg	atggaccgga	tgctaatttct	ccatccttgc	gaccatactg	420
tggggcagac	accaacatag	ctccctttgt	ggccttca	catcggtct	tcataaaaatt	480
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<210> 133

<211> 499

<212> DNA

<213> Canis familiaris

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cagtggagat	ggacccggca	atttggaaagg	caggcgtcat	gaccccttgc	gaagacacgc	420
tgaccgtcgt	cactgcccacg	tcttacccctt	tggcgggtac	accccccggg		480
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<210> 134

<211> 490

<212> DNA

<213> Canis familiaris

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gagccactgg	tcaggctaaa	tttgctttgt	tttggaaat	gggaaatact	catcaattca	300
atatcttcaa	ggggatttctc	aaaccaggt	ctactcattc	caatgagttt	gatgcaaagc	360
ttgatgttgg	aacaatttgc	aaagtcaat	tttcttggaa	taacaacgtg	gtaaacccaa	420
cctttcccaa	agtgggtgca	gccaagatca	ccgtgcaaaa	gggagaggag	aaaacagtg	480
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<210> 135

<211> 236

<212> DNA

<213> Canis familiaris

<400> 135

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caggggctgg atgaccgata gcttcagttc	cctgaaagac tactgcagca cgtttaaggg	180
caagttcaact gggttctggg attcagcctc	tgaggccaaa ccaactccag cctctg	236

<210> 136

<211> 301

<212> DNA

<213> Canis familiaris

<400> 136

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cgagaaacga ctcgtgcatg gagctgactg	tcaaggacgt cttcaactgt ccaaagaaca	180
caagcgataa gcaaatttc tgcaagctg	ctactgtact gcggcagatc tatacacaca	240
actgctccaa cagatatctc agaggactct	acaggaacct cagcagcatg gcaaacaaga	300
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<210> 137

<211> 492

<212> DNA

<213> Canis familiaris

<400> 137

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cttggggat gcctcgacata	ccgtgtttcgat cgacacccccc gccctggaaa	180
atacttgcac aggtcccaga accgcagcga	ggagtttctg gtcgcccggaa acctgcggga	240
cgacacactt cagatcaaca cctgcagttt	cgtggccccc tggagcagcc tgagtaccgc	300
tcaagcggcg gggttccacca agacctatgc	tgctggctgt gaggggtgca cagtgtttac	360
ctgttcatcc atccctgcata	aactgcagag tgacactcac tgcttgcgaa	420
cctcacaggc tctgacaagg gttccagag	ccgcccacctg gcctgcctgc caagagagcc	480
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<210> 138

<211> 341

<212> DNA

<213> Canis familiaris

<400> 138

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caccattgaa aatgtcaaAG	ccaaaatCCA agacaaggag ggcattccgc ctgaccagca	120
gcgtctgatt ttgcgggca aacagctaga	agatggccGA actctgtcAG actacaatAT	180
ccagaaAGAG tccacCTGCA	acttgggtct tcgcctgcGA ggtggcatCA ttgagcCTTC	240
actccGCCAG	ctggcccAGA aatacaACTG cgacaAGATG atctGCCGCA agtgttatGC	300
tcgcctgcAC	ccccGTGCTG tcaactgcCG caagaAGAAG T	341

<210> 139

<211> 260

<212> DNA

<213> Canis familiaris

<400> 139

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tatctacacg gtccttctt ccccgatgtc cgggtctcc ctggacatcg gaggaaagaa	180
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<210> 140	
<211> 493	
<212> DNA	
<213> Canis familiaris	
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<210> 141	
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<213> Canis familiaris	
<400> 141	
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<210> 143	
<211> 503	
<212> DNA	
<213> Canis familiaris	

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	ctgctaccag acactaaagg atatggagat cgaatagaaa gaatgctcg cctcagtta	180
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	ctctcaccat ttggAACCTG tgtggagagg gaatgtgaaa ttAAAGTcat ttcttcgag	420
	agagacttgt ttggatgct ccccgcagcc cccttctccc ctgcactgta aaatgttggg	480
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<210> 144

<211> 506

<212> DNA

<213> Canis familiaris

<400> 144

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ccccagtatt	acgtgaatca	gtgttaaagt	gtgaatgttt	ttactatagt	tgcttttaaa	480
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<210> 145

<211> 501

<212> DNA

<213> Canis familiaris

<400> 145

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ccaagctccc	caatctcatt	taccacagga	agattcctcc	ttacaatcac	ttggacttta	180
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agaaaatgtgt	tagcatcaac	aatctttcca	ttggtaattt	ttgaatttaa	aatgattttt	420
aaatttgggg	catctgggtg	gctcagtcgg	ctaagtcgtc	tgccttcggc	ttaagtcatg	480
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<210> 146

<211> 503

<212> DNA

<213> Canis familiaris

<400> 146

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<210> 159

<211> 493

<212> DNA

<213> Canis familiaris

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<211> 359

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<213> Canis familiaris

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<210> 161

<211> 350

<212> DNA

<213> Canis familiaris

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<210> 162

<211> 471

<212> DNA

<213> Canis familiaris

<400> 162

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<210> 163

<211> 498

<212> DNA

<213> Canis familiaris

<400> 163

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tacattaaac	atattattca	ttgtttgtg	taaattcaaa	tgtagctgga	aatctggat	420
atattttgtt	gttgttacat	cttccacct	cacctacagg	ccaggatgca	tgagtccctt	480
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<210> 164

<211> 482

<212> DNA

<213> Canis familiaris

<400> 164

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<210> 165

<211> 505

<212> DNA

<213> Canis familiaris

<400> 165

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<210> 166
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<210> 167
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 <212> DNA
 <213> Canis familiaris

<220>

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<400> 167
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<210> 168
 <211> 488
 <212> DNA
 <213> Canis familiaris

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<210> 169
 <211> 224
 <212> DNA

<213> Canis familiaris

<400> 169
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<210> 170

<211> 228

<212> DNA

<213> Canis familiaris

<400> 170
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<210> 171

<211> 506

<212> DNA

<213> Canis familiaris

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<210> 172

<211> 50

<212> DNA

<213> Canis familiaris

<400> 172
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<210> 173

<211> 50

<212> DNA

<213> Canis familiaris

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<210> 174

<211> 50

<212> DNA

<213> Canis familiaris

<400> 174

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<212> DNA	

<213> Canis familiaris

<400> 181
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24

<210> 182
<211> 477
<212> DNA
<213> Canis familiaris

<400> 182
gcgcgaattc aacaacctga acgtcaccga ggagaagtat ctggaggcgc tggagaaggg 60
tgacattaca gtcagatag ctctcagcc tgggctcaag ttcaatggag gaggtcatat 120
caatcattcc atcttctgga caaaccttag ccctaagggt ggtggagaac caaaagggga 180
attgctggaa gccatcaaac gtgatTTgg ttccttcgac aaatttaagg agaagttgac 240
cactatatcc gtcgggtgtcc aaggctcagg ttggggttgg cttgggttca ataaggagca 300
gggacgctt cagattgctg ctgttttaa ccaggatccc ctgcaaggaa caacaggct 360
tattccacta ctggggatcg atgtgtggga gcatgcttat taccttcagt ataaaaatgt 420
cagaccggat tatctaaaag ctatttggaa tgtaatcaac tggagaaaag cttggcc 477

<210> 183
<211> 20
<212> DNA
<213> Canis familiaris

<400> 183
gaaagtctagg ctgtggttga 20

<210> 184
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<212> DNA
<213> Canis familiaris

<400> 184
tggcagccaa attctcattc 20

<210> 185
<211> 513
<212> DNA
<213> Canis familiaris

<400> 185
cgcgggatcc gaaagtctagg ctgtggttga caccctccc gcagtcagca ctggggctcc 60
tccatcttcg gtggcagctg ctgcagcaac tacaacagcg tcaacaacca cagcgagtcc 120
tggaggacat ccccttgaat ttttacggaa tcagcctcaa tttcaacaga tgagacaaat 180
tattcaacag aatccccc tgctcccagc attgctacaa cagataggtc gagaaaatcc 240
tcaattactg cagcaaatta gccagcacca ggagcattt attcagatgt taaatgaacc 300
agttcaagaa gctgggtgtc aaggaggagg ggggtggaggt ggcagtggag gaattgcaga 360
agccggaagt ggtcatatga actacattca agtaacacct cagaaaaaag aagctataga 420
aaggttaaag gcactaggat ttcttgaagg acttgtgata caagcgtata ttgcttgc 480
gaagaatgag aatttggctg ccaaagcttgc 513

<210> 186
<211> 20
<212> DNA
<213> Canis familiaris

<400> 186		
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<210> 187		
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<400> 187		
agtgtcccat atccgcaatt tt		22
<210> 188		
<211> 412		
<212> DNA		
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<400> 188		
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<212> DNA		
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<400> 189		
ctgtggtgtc tctgcgcct		19
<210> 190		
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<212> DNA		
<213> Canis familiaris		
<400> 190		
tttcagctgt agattcctt gctg		24
<210> 191		
<211> 521		
<212> DNA		
<213> Canis familiaris		
<400> 191		
cgcgggatcc ctgtggtgtc tcagcgcctg acagagtctc cgtgtgctct ggtggccagc cagtatggat ggtctggcaa catggagaga atcatgaaag ctcagacata ccagacgggc aaagacatctt ctacaaatta ctatgccacg caaaaagaaaa catttggaaat taatcccaga catccccctga tcaaaagacat gtttcacgacg gttaaaggaag atgaggatga caaaaacggta tcggatcttgc ctgtggtttt gtttggacaca gcaacgctga gatcaggctt tctgcacca gacactaaag catatggaga tcgaatagaa agaatgcttc gcctcagttt aaacattgac cctgatgcaa aggtggaaaga agaaccaga gaagaacccg aagagacaac cgaggacacc acagaagaca cagagcagga cgatgaagaa gaaatggatg caggaacaga cgacgaagaa caagaaacacg caaaggaatc tacagctgaa aaagcttggc c		60 120 180 240 300 360 420 480 521

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<212> DNA		
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<400> 192		20
cagagaagcc caagctccac		
<210> 193		
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<212> DNA		
<213> Canis familiaris		
<400> 193		20
accagatgaa tgtcagcccc		
<210> 194		
<211> 498		
<212> DNA		
<213> Canis familiaris		
<400> 194		
cgccggatcc cagagaagcc caagctccac tacttcaatg gacgaggcag aatggagtcc	60	
atccggatgc tcctggcttc agctggagta gagttgaag agaaatttat aaatgttcca	120	
gaagacttgg ataaaattaaa aaatgtatgg agtctgtatgt tccagcaagt gccaatggtg	180	
gaaattgtatgt gaatgaagct ggtacagacc agagccattc tcaactacat tgccacccaaa	240	
tacaacctct atggaaaaga cataaaaggag agagctctga tagatatgtatcacagaaggt	300	
atagtagatt tgaatgaaat gatcatggtt ttgcctctat gcccacctga tcaaaaaagat	360	
gccaagatta ctctgtatcg agagagaaca acagatcgat atctcccgat gtttggaaaa	420	
gtgttaaaga gccatggaca agactacctt gttggcaaca agctgagccg ggctgacatt	480	
catctggctcgagggcc	498	
<210> 195		
<211> 27		
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<213> Canis familiaris		
<400> 195		27
gtccgtggca gagtcctca gctctat		
<210> 196		
<211> 27		
<212> DNA		
<213> Canis familiaris		
<400> 196		27
caccgtatcg ccacatagct atcttcg		
<210> 197		
<211> 509		
<212> DNA		
<213> Canis familiaris		
<400> 197		
gtccgtggca gagtcctca gctctataga ctctctcacc acagaggctg accaggacta	60	
cgactatctg acagactggg aaccccgctt taaagtcttg gcagacatgt ttggggaaaga	120	
agagagttat aaccctgata aagtcaactt gggcagaagc caaggataaa acacaaccaa	180	

aaggagaaaat taaaaagaaa cacaataga aatctcttc ttcacacac acacacatgc	240
atacatgcac gtgcacacac agacacacag acacacacac caggcttgc aggacacaat	300
cattgtatca tctggttct agcaagttgc tgttagttatc atattgtcaa gttttttttt	360
actctgcca cacaagataa atccttattac atgtacttgc ttggttttgt tttgttcttt	420
tggatacaca ctgagacaag ctcaggccta ttaaatacaa ttactgaca tgacaacata	480
gaacgaagat agctattggc atcacggtg	509
<210> 198	
<211> 23	
<212> DNA	
<213> Canis familiaris	
<400> 198	
ggagcctgat gccatcaagc ctg	23
<210> 199	
<211> 23	
<212> DNA	
<213> Canis familiaris	
<400> 199	
ggtttgcagc ctatccaaa gcc	23
<210> 200	
<211> 473	
<212> DNA	
<213> Canis familiaris	
<220>	
<221> misc_feature	
<222> (1) ... (473)	
<223> n = A, T, C or G	
<400> 200	
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cgaaccccccag tacccgncc gatctgcagc cccgcaccct ggggacatcg gggacttcat	120
taatgagggc cttaaagctg ctgacaatga tccccacagct ccaccatatg actcccttt	180
agtctttgac tacgaaggca gtggctctac cgctgggtct ttgagctccc ttaatttttc	240
aagttagtggt ggcgagcagg actatgacta cctgaacgcac tggggggccac ggtcaagaa	300
acttgctgac atgtatggtg gaggtatgatca ctgaacttca gggtgaacctt ggtctttgg	360
acaagtacaa acaattcaa ctgatattcc caaaaagcat tcagaagcta ggcttaact	420
ttgttagtcta ctagcacagt gcttgctgga ggcttggca taggctgcaa acc	473
<210> 201	
<211> 24	
<212> DNA	
<213> Canis familiaris	
<400> 201	
tcatggatgg gggatctttt gatg	24
<210> 202	
<211> 24	
<212> DNA	
<213> Canis familiaris	

<400> 202	gggtggccca tcaattcttc aggt	24
<210> 203		
<211> 466		
<212> DNA		
<213> Canis familiaris		
<400> 203	gggtggccca tcaattcttc aggtgctggc ctttcttcg gttgtttcg catgcactga	60
	gtgatgaaat gtacaaaatgg ctccggagaac tctccaaccg gaaggacggg cgaatcctca	120
	tcaacaatgc actgcagaag ctggagaggc tccatgaaag agattcctaa actccggaca	180
	tcagaatgga ttccatactg ctccccgtaa attcttcag gcgcata agcatttgg	240
	ccaacatacg tcttggtat agaattcacc agctgagtgc taactccaaa atcgcacagc	300
	ttgacctgtc ctcttgggtt tactagcgtt ttggagggct tcacatctct atgtaaaatc	360
	tttaaactcc acaagtaggt aaggcctta acaactgcta ttgcaattct tccaaggaca	420
	tgctctggaa ttttctata tacatccaaa gatccccat ccatga	466
<210> 204		
<211> 22		
<212> DNA		
<213> Canis familiaris		
<400> 204	gcagcagcct gtgtatgccca cc	22
<210> 205		
<211> 23		
<212> DNA		
<213> Canis familiaris		
<400> 205	aagccggaag cgatctcatc gaa	23
<210> 206		
<211> 492		
<212> DNA		
<213> Canis familiaris		
<400> 206	aagccggaag cgatctcatc gaaggccgg ctttggctc caggaacttt gaagtaggtg	60
	aagatgaaga acagaaccag gagcacggg aagatgatga agacgtacgg accacacagt	120
	tgctctacat actggaaagca catgcccaca atgaaatttgg aggtccagtt ggagaaggca	180
	gcaacagcaa tggcagctgg gcgaggaccc tggctgagga gttcagccac aatgaaccat	240
	gggatggggc cagggccac ttcaaaagaag gccacaaagc caaagatggc cacgatgtc	300
	agatacgcata cccaggcag ttgttccagc agcgccagcg cgatgtcat gaggcaggca	360
	cagccgcac tgccagccag gcctatgagg tgcagggtcc gcccggcggc gcgttccacc	420
	acgaacagcg acaccacggt gaaggccgtt ttcacatgc cggagccgat ggtggcatac	480
	acaggctgct gc	492
<210> 207		
<211> 23		
<212> DNA		
<213> Canis familiaris		
<400> 207	cgcgcgtatgatgatgc tgcggccggc ctt	23

<210> 208		
<211> 23		
<212> DNA		
<213> Canis familiaris		
<400> 208		23
gctcagcccc tttgatgggt agc		
<210> 209		
<211> 494		
<212> DNA		
<213> Canis familiaris		
<400> 209		
cgccgatgag tacgaccaggc cttgggagtg gaacccggtc accatcccag ctctggcagc	60	
ccagtttaat ggcaacgaga aacggcaatc atccccctct ccttcccggg accggcggcg	120	
ccagcttcga gctcctggag ggggcttcaa gcccattaaag catgggagcc ctgagttctg	180	
tggatcttg ggagaaaagag tggatcctgc tgtcccgctg gaaaagcaaa tctggtatca	240	
cggagccatc agcagaggag atgctgagaa ctttctgcgg ctctgcaagg agtgcagcta	300	
ccttgcggg aacagccaga caagcaagca cgactattcc ctctcttga agagcaacca	360	
gggcttatg cacatgaaac tggccaaaac caaagagaag tatgttctgg gtcagaacag	420	
ccccccgttc gacagtgtcc cagaagtcat ccactactat accaccagaa agtacccat	480	
caaaggggct gagc	494	
<210> 210		
<211> 23		
<212> DNA		
<213> Canis familiaris		
<400> 210		23
tgcaagatcac cgaccagggt tcc		
<210> 211		
<211> 26		
<212> DNA		
<213> Canis familiaris		
<400> 211		26
catatcgccgg atgagagttt cgatgg		
<210> 212		
<211> 492		
<212> DNA		
<213> Canis familiaris		
<400> 212		
tgcagatcac ccgaccagggt gtccctgctt cgcctcacct ggagcgagct gtttgtctg	60	
aatgcagcac agtgctccat gcccctccac gtcggccgc tcctggccgc cgcaggccata	120	
cacgcctcac ccatgtccgc cgaccggagt gtcgccttta tggaccacat acggatcttc	180	
caagagcaag tggagaagct caaagcgctg cacgtcgact cgcggagta cagctgtctc	240	
aaggccatag tcctgttcac ctcagatgcc tggatgtctct ctgatgttagc ccatgtggaa	300	
agcttgcagg aaaagtcccc gttgtcttg gaagaatacg ttaggagcca gtacccaaac	360	
caaccaacac gattcgaaaa gcttttactt cgcctccctt ccctccgcac ggtotccctcc	420	
tcagtcatacg agcaattgtt ttctgtccgt ttggtaggta aaaccccat cgaaactctc	480	
atccgcatac tg	492	

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<210> 213
<211> 160
<212> DNA
<213> Canis familiaris

<220>

<221> misc_feature
<222> (1) ... (160)
<223> n = A, T, C or G

<400> 213
gactgagacc atttattcna gacacgcagc tgaccaagga gtgagggagg gaccaggtgt      60
gcaagctaat aaatagagga gggggagact tcctggagct gtagccattc agtcttcatt      120
cttctcaggc atgaaggcat ctctttctg accaaagctt      160

<210> 214
<211> 128
<212> DNA
<213> Canis familiaris

<400> 214
aagcttttgt cagcaattat attagttgc attttagtga caggtgtaag agaaaggccc      60
cttcttcct tactggaca aatctagaaa tcttacacag atgtgcaaat aaagctcgcg      120
tggtgttc      128

<210> 215
<211> 125
<212> DNA
<213> Homo sapiens

<400> 215
gcaaagttac aaatttattg gtctggaaat aaatacaaat atctgattaa gaaacttctc      60
tgaaaagact tgtacacaac agtttcctg tctcgattca gccactcctg ccctgaccaa      120
agctt      125

<210> 216
<211> 116
<212> DNA
<213> Canis familiaris

<400> 216
gagcagcagt gagcaaacc cacgaagttt ttttaagggtt acagctatga ataaacattg      60
tccaaacaat gaagatttag ggctgaagaa cgagcgtatg tctacagtcg aagctt      116

<210> 217
<211> 248
<212> DNA
<213> Canis familiaris

<400> 217
caggtgcaag aggttgttt gggaggtaat cctagaaacc acagaagggg gtggggatag      60
gagggatggc agaaaaacca gtaagaactg tgttatttag aaggttatca ctgtggacaa      120
ctggcacaga atacacttca gagctgtcgc cctgagggac aatgacgcac aggtctttt      180
ctctaagtcc tgtttcttat aggccgaggg tggctcctgg gagcagtaac tgccaaacagt      240
cgagctt      248

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<210> 218
 <211> 231
 <212> DNA
 <213> Canis familiaris

<400> 218
 aagcttgatt gcccataacct gagccattga tatatttcaa aattatggca caaatggaaag 60
 agaaccacat ttgaaaagct tcacgcctt caacagaaga taactcttct tgtttgcag 120
 attgagcaga taatttctt tgaaggtgat agtttcctaa attggataaa accgtggctg 180
 ccattatatt cacagaaaaat aaaatgaaaaa cttcagttaa ttgtggattt g 231

<210> 219
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 219
 caatattctt aagagtttat tataaactag tttcacaggc tacaaggaag tatttaggac 60
 tatgtacagc ctgacggaa acaggcagg agctgaggag gccaaagatg agtcttagggc 120
 ctgggtggc gcattcccg gggagggggc cctgaaagg aaaccagaca atcctgtgag 180
 actccaagaa caacggata acaaacaac acgtctgtgg caatcaagct t 231

<210> 220
 <211> 180
 <212> DNA
 <213> Canis familiaris

<400> 220
 agtagatgg accgagaata attttagggt taagggatag gaggagtagg ggcagttaggt 60
 gcaaggtcat tagggcattt ttcgtgtga atgatggttt gatattttg atatggtggg 120
 aatatttacc acgttgtgtg gtgattaata tataaagtga gtataggcgt gtaaaagctt 180

<210> 221
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 221
 actaagaaat atttatttag caccgtgt gtacccagca ctgcgggagg ggctgtgaga 60
 gacccaggcc agtacaggac ttgttcttgc cttcagagg cttatagtc aggtggaaac 120
 aggagaacca ggacacatga ggagccagga gaaaacagta cagggcagga ttttacagga 180
 gcttacagtg tttgggtca gacccactaa gtgcttcaatg acctcttagg gctcaatgtt 240
 cagggccaga agagacaata actcacaact agccatgta gcatgcccta tccacagcgt 300
 ctacctctgc tatcttaaaa catctgactc ctcgttaagc tt 342

<210> 222
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 222
 caaagaattt tgtttatta tagtacatga gctggactga tggaaagg taggtgtatg 60
 ggcaaccact gcccagatta gcatcgatg cccatcccgta tgccatgaa tgtgccaat 120
 gtgccgccac tctgcattat gttttcccg atgcgcggca tcagtcgg accccgcatt 180
 ccgatcctga gacaggaaaa ggtgccgaag agcggccgg ccgccccatgccc cactgcacaa 240
 cccatcacaa agccatctt cacgcgttaa aagctt 276

<210> 223
 <211> 239
 <212> DNA
 <213> Canis familiaris

<400> 223
 catatatatt cttttatt tcttgttata cttccaaa acagagacat tcaacagtag 60
 tttagaatggc catctccaa catttaaaa aaactgcacc ccccaatggg tgaacaaagt 120
 aaagagtagt aacctagagt tcagctgagt aagccactgt ggagccttaa gtggtaggt 180
 cttccaattt cagagtatgt tgtcttcaac ttgtatcatc atttagcgg taaaagctt 239

<210> 224
 <211> 142
 <212> DNA
 <213> Canis familiaris

<400> 224
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 gaggctctg aggctcaggg caaggcctgc aagacagatc ccattgctca ggaggcagcc 120
 cagattgcaa atgaaagaca gg 142

<210> 225
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 225
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 actccatcac agcacagtct acattnatg attacaaga tctgagagag cagattcttc 120
 gagttaaaga cactgatgt gtaagctgac ttccataataa atatattttt cttg 174

<210> 226
 <211> 213
 <212> DNA
 <213> Bos taurus

<400> 226
 aagcttaacg aggacaggcc atcagggctg ccaaggaagc aaaaaaggct aaacaagcat 60
 ctaaaaagac agcaatggct gctgctaagg ctcccacaaa ggcagcacat aagaaaaaga 120
 ttgtgaagcc tgtgaaggtt tccgcacccc gagtttgtga aaaacgctaa gtttagtgg 180
 atcagatttt taaataaaca tctgactcta act 213

<210> 227
 <211> 146
 <212> DNA
 <213> Rattus norvegicus

<220>

<221> misc_feature
 <222> (1)...(146)
 <223> n = A, T, C or G

<400> 227
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 gtctgttagat ttttggaaagt ggtgacaggt acgttagtta ccagcgtgta gagttgttt 120
 ggtgaatctt catcctcggtt aagctt 146

<210> 228
 <211> 138
 <212> DNA
 <213> Canis familiaris

<400> 228
 caatgggtgctc actgggctcg acctcaaggg tgatagttt gcccgtcagg gtcttcacaa 60
 agatctgcatt ctctgcgtct gctggagcga actcgcaagg ccggccgccac caaaccgctc 120
 gcccacctcg ttaagctt 138

<210> 229
 <211> 220
 <212> DNA
 <213> Canis familiaris

<400> 229
 aagcttgcac catatatata actcttgggc agagggtctg gcatacataa gtagatactc 60
 agaaaatatct gttggattgt gttgattta ttattttgt gttgcttctt ttaaagatga 120
 gcactttcta ttagatattt ttttgatcaa aaaaaagata ttttttgat catacagatt 180
 taaggcaggat ttttattaat tcgtttctct tcctgggttgg 220

<210> 230
 <211> 238
 <212> DNA
 <213> Canis familiaris

<400> 230
 catgagagag acggaaagag aggcagagac acagggcagag agagaagcag gctccatgca 60
 gggagcctga cgagggactc gatcccaaga ctccaaagatc gtaccctggg ccaaaggcag 120
 gagcttaacc gctgagccac ccaggtgtcc caactgtcag gtttttaaaa gagtgagtga 180
 aatttgggaa aatatcaagg cacagtcata ttcataaaca taatacgttga agaagctt 238

<210> 231
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 231
 aagcttctca acgttatatgg tgtacagttt ttgttaagggtt ttaattttac aatcattctg 60
 aatagttatg gtcaagtaca aattatggta tctattactt tttaaatggt tttaattttgt 120
 atatcttttg tacatgtaac tatcttagtt atttggctaa tttaagtgg ttttggtaaaa 180
 gtattaatga tgccacctgt cagcacaata agagtaagaa ctaataaatg gatttgg 237

<210> 232
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 232
 aagcttctca acgttattcaa gagaaaaactt ctaaattgcc agatatgtta aaagaccatt 60
 atcccatgtgt gtcttcactg gagcagttaa cagagttggg aggtgaaact gatgttttg 120
 tatgccgtcc taacacagcc ctagccccga tgtactcaga gactggaaca gcacaagaga 180
 aataaaagcaa caatcagtaa tggg 204

<210> 233
 <211> 572

<212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (572)
 <223> n = A, T, C or G

<400> 233

aaggcaggaa	taggaatgag	taattggc	tttcaaatct	ctcccaagaag	60
acaaaactact	tcgatggaa	aaagcttga	cattttgtgt	tttatttgta	120
ttggatacag	aggagcctgg	tctcatacat	tttcatcttc	agtctgaaaa	180
tctgttagacc	ctgaagcggg	ggaacttttc	tttctgccat	ctcccttgc	240
acacctttc	tgtaccaatc	atttggaaaa	gaagtgagca	tatctttgt	300
ttgcttgnct	ggttagcatt	ccttttgagc	tcaacatata	tggaacaata	360
aatgctgnm	gctatttga	attcctcattc	aggtttttaga	agtgggtca	420
aaagctcatt	ggactttgaa	attatnccag	cgcccnntga	ccattatctg	480
gcaggttaaa	ttatggcncc	ngcaaatttgc	ctttttttt	taatagnnnng	540
ttcagnttaa	taaatgtttt	ccgatggtttgc			572

<210> 234
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 234

ggtcaaagtgt	tatagtttg	acttaccctt	cccagatcct	gaatgtcctt	60
tcagatacgg	tgacagaagg	taagtcaatg	taaaatattt	ttccccagag	120
ttgtatttt	ctggtttgg	atcagtttc	atagatttca	tagatctgtt	180
ttgacttgg	ttccacctgt	tgttttaaaa	aagttagaattc	agatcatgtat	240
agaaaaatttc	tctttttaaa	atactttta	tacagtcatc	atttcataga	300
atcttataaa	taccaccaat	taaacactca	atagoatttt	actgtatttc	360
cacttaggat	aaaaccagaa	taccatattt	gttttaacag	atcccataact	420
catcggtcac	agcctacagt	cgaagctt			448

<210> 235
 <211> 136
 <212> DNA
 <213> Canis familiaris

<400> 235

ggggcagata	aaaacactta	atgtaaaatt	taccctctca	aaaaaatttc	60
tacggtatca	ctaactatag	tcactatagt	atacagttaga	tccctaggat	120
tgtacagtgc	aagctt				136

<210> 236
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 236

aagcttgatt	gccagagttt	cgaaaaggcat	caaagcatct	ttatggtcag	60
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caacaatagt	ggtgttcaac	cagtccaaacg	ttcatgaata	cgaaggccat	180
aacagatctt	ggaattcata	gaggaccta	tgaatccctc	cactctgctg	240
ccactttcaa	tgaactggtt	aaacagagaa	aatcatgacca	agtctggatg	300

attctccatg gtgtcatcca tgtcaagtcc taatgccaga atggaaaaga atggcccgga	360
cattaactgg actgataat gtggcagcg tagactgcc aacgtatcat tcttttgtg	420
cccaagaaaa tgttcgaga tccctgagat aagaatttac ccccc	465
<210> 237	
<211> 262	
<212> DNA	
<213> Homo sapiens	
<400> 237	
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ggaaatacgg cctcaacatg tgccggccag tgtttccgtc agtacgccaa ggatataggc	120
ttcattaagt tggattaagt gaacttcctt gaatgggtca tccaagatac ctacctaacc	180
tgcagatgtc caagataacct actttgatgc caactcattt tatataaaaat aaaaatactc	240
caattatgag tgtttaatg tg	262
<210> 238	
<211> 280	
<212> DNA	
<213> Canis familiaris	
<400> 238	
caagttttac cattgtttta attattgaaa caaaattaac gtaagtagaa tcatgtcaa	60
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actgtaacaa atttccaata atttggcatt tatcttcac aaaatgtctc ccaaattcta	180
agcaaaggat gcaaatttgg aattaactct aaacaggcat aattatctc ttatccagtt	240
tttctgaaga gactgaagag ttcaaggctc accaaagctt	280
<210> 239	
<211> 202	
<212> DNA	
<213> Homo sapiens	
<400> 239	
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catcattatc tgtctcttaa ataaagtaat gctttccata aaaagcaaag gtggccttt	180
gccttgatgc tgaccaaagc tt	202
<210> 240	
<211> 276	
<212> DNA	
<213> Homo sapiens	
<400> 240	
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tctgtggcat taaaaatgg aattggcaac ttcatgacat tggaatgcat atcacactta	120
cagtgtctag actttccat gtgtgcttag ttacaagtag tgaagcaaaa gtatacatat	180
caccctact gctattcggt tgctacagag ccataaatgt gaaaagcaat actctgaaat	240
aaagattttt gtttttgcc cttagctact aagtt	276
<210> 241	
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<213> Canis familiaris	
<400> 241	

aagcttcac catactcctc ctctacatat gctccaaat taccttctaa aaaggctgta	60
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cactatgagc aatcttaaa tcatactacta aatcttatacg gcaaagaata gggccttgcc	180
cctgccccctg tt	192
<210> 242	
<211> 137	
<212> DNA	
<213> Canis familiaris	
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atctctatgt tggagatttc caaatttatg gccttccta actttgaagt ctttatttct	120
aactgcctac taagctt	137
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<211> 155	
<212> DNA	
<213> Homo sapiens	
<400> 243	
ataaaatagag atgggggtct tgctatgttg ccaggctggc cttgaacttc tggatcaag	60
caatctgcct gccttggcct cctaaatgtgc tggattaca ggtgtgagtc actgtgcctg	120
gcctcatata gtcactataa cagcctacta agctt	155
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<211> 203	
<212> DNA	
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<400> 244	
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tcatactttt gaatgtgctg aggtcatgaa ttgttttac cttttttgtt atttgtgttt	120
ttcagatttt ctgttagttt catatattct ataatcagaa aaagatgctt caagtttttt	180
gcagatttca cagaattttt ttt	203
<210> 245	
<211> 203	
<212> DNA	
<213> Canis familiaris	
<400> 245	
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ctgcttaacta cagaaaatct gaaaaacaca aattacaaag aagataaaaa caattcatga	120
cctcagcaca ttcaaaatgt tgatttttaa tggtaatgt tccacattca atttctactt	180
ccttattttt gcctactaag ctt	203
<210> 246	
<211> 219	
<212> DNA	
<213> Canis familiaris	
<400> 246	
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taggcctcgg ctttcaaac tgcagtttat caaactgggat tatgcttcgg ctgaatctgc	120
tctctgggtgc ttctttttaa tcgttttctc cttaaatggg ttactttttt actaggaaaa	180
aaaaaatgtt ccacctctgg attaacgtt gagaagctt	219

<210> 247
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 247
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 aatccatctt taaacttagtc agaaaaacagg ttattttttt tttaaatcac ttaacactga
 acagataaga cctcttaaaa ggcagctgac tatatcatgt caccatcata gccaatacaa
 cattttgcc atacttccta aaaacctttt cgcatcataact gatcatgcta cttatcagca
 ctttttaaca tcctgaccaa agttt
 60
 120
 180
 240
 265

<210> 248
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 248
 actaaaataa acctgttcgg ggggaacagc tactagatga atttaagggt tttatgcacc
 ttatagaact tatagcaaaa atagtttag ttgattcat tataaataac gtttcaaga
 acctgtgca aactgtcaat aatttcctaa agcacaatttgc atcagaaaaaa tccatgatttgc
 ttcagccttc acacccttct tcataatgttca aacacccttct gtacatctca cagttactta
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 ccaaagctt
 60
 120
 180
 240
 300
 309

<210> 249
 <211> 169
 <212> DNA
 <213> Mustela sp

<400> 249
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 atgatatttgc acgatctaga caataatttc accttactta aataacaatg aacagaatttgc
 cttttttcc actctgagtg gatatttctg tcatactctga ccaaagctt
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<210> 250
 <211> 368
 <212> DNA
 <213> Canis familiaris

<400> 250
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 tatattggac gatccccat cgaacgggtac caattttttc agctgtgatt gcggcatgtt
 tcaacgcgac cgtttttggaa attttaaaac atttattttgg ctgggtcatg agtaatttca
 ccagctatga aatcgTTTAT ggtgcttttgc cagcagtcc tatttttctt ctttggatct
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 attctggat
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 300
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 368

<210> 251
 <211> 261
 <212> DNA
 <213> Canis familiaris

<400> 251
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gttacataat atatgagata acagagaacc taaaattcat ttggtgaaaa tcaagtgtgt	120
agtataccta aataccaatg agcttagtaag acttgaagg cactgaagct aaggctaaca	180
gcaacagagt ccttatgaa aataattca gaaccacaac gcattctctg atggtcatt	240
ccctggac agtcgaagct t	261
<210> 252	
<211> 193	
<212> DNA	
<213> Canis familiaris	
<400> 252	
catcgagac atttattta gtttgtaa tttcaaata tcattaacct ctgtatcag	60
atthaaggca gagaaaagat acacgcccct ggttaactga accggggtt agatagtgta	120
gtccaccctg ggtccacca gggagacctc acccgagatg acaggtccgg ttgctggc	180
acagtcgaag ctt	193
<210> 253	
<211> 252	
<212> DNA	
<213> Sus scrofa	
<400> 253	
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aatgtggca aaacaatgtc tttacaata aaatacatta gacatttaaa taaaataacct	120
taaaaaactac atggggggac atgaacccag tcgattgaat ctggacaat gtttctgca	180
caagcgagaa caggcatacc tottgttaag actgatgtaa acagaaccat cggaacccta	240
cagtcgaagc tt	252
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<211> 429	
<212> DNA	
<213> Homo sapiens	
<400> 254	
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gcagcttgg tttttactc tagatctcac tgcctccca cccagctt tccttcacca	180
acatgcagaat tcttttcctt ccctgccagc cagccagaca ggcagatgg aaaggcaggc	240
gccttcgtt tcagtagttc tccattttt gatgtaaaa ggggcagcac agtcattaa	300
actcgatcca accgcttgc atcttacaaa gttaaacagc taaaagaagt aaaataagaa	360
ggcaatgctt gtggaatgta cagtgcatac tggcggcga cgcctcatta cgattcggct	420
actaagctt	429
<210> 255	
<211> 323	
<212> DNA	
<213> Oryctolagus cuniculus	
<400> 255	
ctcattaaac ttttggttta atgggtctca aaattctgtc acagattttt ggtcaagttg	60
tttccattaa aaagtactga tttaaaaac taataactta aaactgccac acacgcacaa	120
aaaaaaaaaaa aaaaacaaat ggtccacaaa acattctcct ttccttctga aggtttacg	180
atgcattgtt atcattagcc agtctttac tattaaactt aaatggccaa ttgacacaaa	240
cagttctgag accgttcttc caccactgat taagactggg gtggcaggtt ttagggataa	300
tattcatttgcctactaag ctt	323
<210> 256	

<211> 253
 <212> DNA
 <213> Canis familiaris

<400> 256
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 tccagagcag ccgcaagagc atcttaaacac cttgtggcct gaactctctc ccacatcctcca 180
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 caaggatccc agg 253

<210> 257
 <211> 260
 <212> DNA
 <213> Canis familiaris

<400> 257
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 gaaagaatgg caaagtaaat gccccatatg agtgcattt ggtgcctaaa gagggcagac 120
 agcaagcggt aaaaccagta ttttgcaca gtgaagggtgg tgaagctggc cttccagatg 180
 ccatcaaaac tgtgtgttcc ttctgggttct gcaatcacat cttcaaaatc aatcttgacc 240
 acgtcgctgt tgagaagctt 260

<210> 258
 <211> 188
 <212> DNA
 <213> Canis familiaris

<400> 258
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 gtttttctca tctactacat gatctgttcc caacaataag ccattgaat taaaggtctc 120
 cagaagttt atctgggtc tgtgattgaa aagaaggaaa atgagatgag agactgccta 180
 ctaagctt 188

<210> 259
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 259
 caagcccatc aattagtgtt ctttttatag acattacaca caacacatat atagtgacac 60
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 gcatcagggt ggaaacttta gaggaagaga gccaggttagc atgcatttctt agggcctact 180
 aagctt 186

<210> 260
 <211> 189
 <212> DNA
 <213> Canis familiaris

<400> 260
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 ataaattccct tacgtgtatt atgtacattc agaaaagtgt aaattactca aatattatac 120
 tcaaaaacccc ttatagtctg ctaacttgca tgttagaaaca tctgaagtaa catgtgcct 180
 actaagctt 189

<210> 261

<211> 174
<212> DNA
<213> Canis familiaris

<400> 261
aagcttagta ggcattcaatt ggatccttgc ctatgttcaa atggaagaat taatgagctt
acattaatta gtattgtat gtgtaaaggaa agcccgaa aatttttga aaacttgatg
atcccaacgt atttaccattt gtatgttaaa gcaaaaataaa tcaccatccc tttt 60
120
174

<210> 262
<211> 115
<212> DNA
<213> Canis familiaris

<400> 262
aagcttctca acggcctcca ctcctttctt gccctcacag ctcctggct ctggcccaa
aagtgattca tttgtaaattt atcatggttt tctgcattaa aatggccatt tctgg 60
115

<210> 263
<211> 451
<212> DNA
<213> Canis familiaris

<220>
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<222> (0)...(0)
<223> n = A, G, T or C 451

<400> 263
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cgaaaccaaa gggagcacac agctttttt aaaaattgttggaaatgttacgc ccgagatgaa
acagaattct atttggggcaaa gagatgcgt tatgtatata aagcaaaaaga acaacacagt
caactccgttgc gggaaaccaaa acaaaaaccag nagtcatctg gggaaaagta actctggcc
catggaaaca agtggcatgn gttccgtgcc aaattccgaa gcaatnttcc tgctaatgcc
attggacacaca gaatcccgagt gatgctgtac ccctcanagg attttaaaact aacgaanaan
caataaataaa atgtggattt gcgntcttng g 60
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180
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300
360
420
451

<210> 264
<211> 242
<212> DNA
<213> Canis familiaris

<220>

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<222> (1)...(451)
<223> n = A, T, C or G

<400> 264
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gtatggaaa agtctctctt gaggcaggaa tcacaaactt tccttcttct tccccagtt
ctcgttgttctt cttccggaa gcgctcaat gaaactggta aaccccgatt ccgtccgatc
gc 60
120
180
240
242

<210> 265

<211> 333
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (0)...(0)
 <223> n = A, T, C or G

<400> 265

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ggagtggct ttgctgcagc aatattcaga	ttgaaaaaaaaa	tgggttggg ttcactgagt	120
ttaaaggat gatgataaaaa aggaggttct	tcttcctt	catcccgaaa catgaggcct	180
attcactatt acatcatcat ctctttact	ctgtgcgatc	tgtttgcatt tctcaagtt	240
gttcttctat agtngctcct cctgattttt	tagcaacttt	ctcttctatt gtgggtggag	300
gtgcacgctt ttaggttgg cggttaaaag	ctt		333

<210> 266
 <211> 239
 <212> DNA
 <213> Canis familiaris

<220>

<221> misc_feature
 <222> (1)...(333)
 <223> n = A, T, C or G

<400> 266

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ttagaatggc catctcccaa cattttaaaaa	aaactgcacc ccccaatggg	tgaacaaagt	120
aaagagtagt aacctagagt tcagctgagt	aagccactgt ggagccttaa	gtggtgaggt	180
cttccaattt cagagtatgt	tgtcttcaac ttgtatcatc	attttagcgg taaaagctt	239

<210> 267
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 267

cgcgggccag aaagcgtaat attcttaaa	ggaaccttaa caaaacttta	cactaataa	60
tgtaaatctc accatgttcc tagtcaaaaaa	tttactacac	agactcgatc	120
ctt		gcggtaaaag	123

<210> 268
 <211> 163
 <212> DNA
 <213> Canis familiaris

<400> 268

ccaaagaagt gtttattaac atttggggcc	tcagcccccc	cagagaggaa gtgggtgcta	60
gaggctcctg aggctcaggg caaggcctgc	aagacagatc	ccattgctca ggaggcagcc	120
cagattgcaa atggaagaca	ggccatggta	gcggtaaaag	163
	ctt		

<210> 269
 <211> 312
 <212> DNA

<213> Homo sapiens

<400> 269
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ataaaagttaac caaagctcgta ttaactgaca aacatcaatc tattgaagaa gcaaagtctg 300
ttgcaatgtg tg 312

<210> 270

<211> 180

<212> DNA

<213> Homo sapiens

<400> 270
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<210> 271

<211> 174

<212> DNA

<213> Homo sapiens

<400> 271
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ttagatttgtt tccttgaaga cttggaaaag gaaatcaaga aatggcaaca ggag 174

<210> 272

<211> 146

<212> DNA

<213> Rattus norvegicus

<400> 272
aagcttaacg aggatgaaga ttcaccaaac aagctctaca cgctggttac ctacgtaccc 60
gtcaccactc tcaaaaatct acagactgtt aatgtggatg agaactaatc gctgattgtc 120
aaataaaaggt ataaaactgc tccatg 146

<210> 273

<211> 241

<212> DNA

<213> Homo sapiens

<400> 273
ctaaaggccc agatagtagc tgtggctgg ggtctcaaac tgtgttgccc actactcaac 60
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ttccaataaaa actttattta caaaagcatt cagtggtcg gatttggctt ttggccata 180
attaaatccc ctctggtaaa ataatcaacta ttttagctgg atcatgagta cgtgaaagct 240
t 241

<210> 274

<211> 224

<212> DNA

<213> Homo sapiens

<400> 274		
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aatgattgc attgtacata cgatgtacaa agacgatgat ggttctgtg ggagttactt	180	
caggctgcac tgggggtgt gtatgtgt gtacgtggaa gctt	224	
<210> 275		
<211> 161		
<212> DNA		
<213> Canis familiaris		
<400> 275		
gcactaaatt caaaccatg acctccatg ttctaattctt gattgtttaa tccaactggg	60	
aggtaaacg ggagactctt tggctgtca gtgacaaaat ggttgtaaa aaagaaaaaa	120	
taaatacgat atacaagtaa gtataactag cactcaagct t	161	
<210> 276		
<211> 158		
<212> DNA		
<213> Human sapiens		
<400> 276		
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tttggtagg ctctgtcaga gagaaggctt agggctgaag gctgttggtc agatttttt	120	
gtcccaagtg gtgtccctt gatgtacac tcaagctt	158	
<210> 277		
<211> 295		
<212> DNA		
<213> Homo sapiens		
<400> 277		
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ttggatgtaa ataatcaatc gaggtcagca gtttgcataat gtaggagaca tagttccctc	180	
cctgcacccc ccattttttt aaaatttgag gtgcttcctg tgtgtttta tgtagaaatt	240	
gttctccctc cttcacac gtggcacct ttgtttaaa taaaactgtcc tttgg	295	
<210> 278		
<211> 245		
<212> DNA		
<213> Homo sapiens		
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caccatgatt ccaatcttgtt gtgtgtttac taacccttcc ctgaggtttgc tttatgttgg	120	
atattgttgtt gtttagatc actgagtgta cagaagagag aaattcaaaac aaaatattgc	180	
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tgtgg	245	
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<212> DNA		
<213> Canis familiaris		
<400> 279		
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aggaaggcaga tatacgctt atgagggaaat tgtgttaatg atctctcctc taaaaaagga	180
ctcttccta ttatcataat gaccacactg cccgtcctta aaaccactgg tcgctgacat	240
tatgccgaag ctt	253
<210> 280	
<211> 299	
<212> DNA	
<213> Homo sapiens	
<400> 280	
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gctcaatcct gctcagttag gctagttgaa gaaccatact taaaaaaaaaag aaaggaaagac	120
aggcaaacaa gtgtttaca ggagcaacag acttcaaggt cacccccaca agacaccctg	180
cacagcaggg acggggacag ggaggatgac ctcttagggc ctgtgccttc gcagaggtgc	240
tcggcggatg ggtgtggct ctctgggtgt ctcatctatg ccgaagctt	299
<210> 281	
<211> 222	
<212> DNA	
<213> Canis familiaris	
<400> 281	
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atccctcaag aacagttct ctaaagagca tgTTTTattt aatgtctat taattacctt	120
tcttagttt ccaatttagt agccacttt caatgtctat taaagtgaaa taaaccttct	180
gaacttaaac atttttaat cgattaaaaa ttgtgtcaaa at	222
<210> 282	
<211> 291	
<212> DNA	
<213> Canis familiaris	
<400> 282	
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cttttatact aaataaaat cAAactacat tcttcagaaa gatgtttcta gtattttct	120
taggtcaactt ccataatgttag tatgtacagt gagaccactt ttAAAAAAGC aatgacttag	180
gcaaaccaac cctaATGGTT tgTTAGACCA ttccCTGTT ttaattaaa aatcataggg	240
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<210> 283	
<211> 423	
<212> DNA	
<213> Canis familiaris	
<400> 283	
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ttcgtgccta tattggttac catcactttt gcccctatca caatctcatg gtgtgttcct	120
tgcatagtac aggaactcaa caaatgtctg ctaaattgac agatggagcc ccagacgacc	180
taaaacttgc actttagaag cacttacttc atcctgagct attatgaata aggaactcaa	240
gtgactgtta aaagcattct actgtatgagt tggtaatgtt ctaaagcaac atatctcaa	300
ggaaaggata ttgagTTTgt ctccaccata aaatcctatt ttAAACAAA ggtactactt	360
aaaaatggtc ttccaaaggc ctcagcagag gttctaaaga gatgtgacaa tatGCCGAAG	420
ctt	423
<210> 284	
<211> 299	

<212> DNA
 <213> Canis familiaris

<400> 284		
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gctcaatcct gctcagttag gctagttgaa gaaccatact ttaaaaaaaag aaaggaagac	120	
aggcaaacaa gtgttttaca ggagcaacag acttcaaggt caccccccaca agacaccctg	180	
cacagcaggg acggggacag ggaggatgac ctcttagggc ctgtgccttc gcagaggtgc	240	
tcggcgatg ggtgtggtct tcctgggtgt ctcttcttgcatctatg ccgaagctt	299	

<210> 285
 <211> 223
 <212> DNA
 <213> Canis familiaris

<400> 285		
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gaaccaccat gcccagccctg ttcttttttatctctagg tggtgctctc cagctgttagt	120	
agaaaatagca tttgtattgg atctatTTTttaaaataggg actaaataca gaccattttg	180	
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<210> 286
 <211> 467
 <212> DNA
 <213> Bos taurus

<400> 286		
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catatcagtt ggcctcccccc atagcacacc tcagaccatc ctctccagag gaagaaaggc	120	
tggcctcccccc aacccctgca ggaaagggcgt gtcttgccttccataccacata ccacatctgc	180	
agagtctaaa gtcttgcctt aagcatgaca atagtacaaa aaaagattct gttttcatgg	240	
atccccccact acagcccgaa cctaaaatgg cgaggcgctc acttctgcctt agagaaatat	300	
tctttgcctt tctggacatc aggcttgatg gtatcaactgc caggcttcca gccagctggg	360	
cacacttccc catgcttgc agttaactgg aaggcctgaa ccagtcgcag tgtctcatcc	420	
acagagcgcac caacaggaag gtcgttaca gtgatatgcc gaagctt	467	

<210> 287
 <211> 387
 <212> DNA
 <213> Bos taurus

<400> 287		
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aactcgggggt gcgaaacct tcacaggctt cacaatcttt tgcttaggtg ctgccttgc	120	
gggagcctta gcagcagccca ttgctgttttttagatgct tgcttagctt tttttgcctt	180	
cttggcagcc ctgatggctt gttctcgatggcctt aacttcaggtt tctgatttgc	240	
cttagccatt atatcagcaa gagatcccccc agtgatggcc ctctggaaatt tgactgcacg	300	
gccccgttctt ttcttgcctt tttttccca ctgtccctt ttgtgccttc ttctgttagag	360	
gacagtccag ttgatatgcc gaagctt	387	

<210> 288
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 288		
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aacttcctaa attatggcaa tcacaatgcc tgcctgaatg aatatagcaa gtcctaaagg	120
atgtcttctg tgagggcaga tggaaagttt cttcaactca actccatcta ctattaagg	180
gaaggataag tcaaagaatg agttaattat ttcaacatgg ttgttccat tcatgattta	240
accacactat ggaccccaga agcagttagg taaaaggat tttctagaag cttaattatg	300
ccgaagctt	309
<210> 289	
<211> 420	
<212> DNA	
<213> Canis familiaris	
<400> 289	
aaaagagcat acttacagt tgaatgggaa tagaggttt agatatttc caaaatattt	60
ataaaaacact tcatttgta gaaatcactt acagaatggt ggctatcaa caaataatta	120
taaatttttta aagcacaagt cacatgtttt gtaactcctg tgtgaattt ttttagctgt	180
gacatttaat tgaaaacatc agatatgtttt tgaaaaagtc ttaatttgag aacaactgaa	240
ggaagttaat ccagaatcta tatgttagttt gctattaatg atgatgctttt attgacagta	300
tattgctaat atatttcttc atgaaatctg aagttaaata gttcgttgg ggaatagtgt	360
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<211> 237	
<212> DNA	
<213> Homo sapiens	
<400> 290	
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tcagcaagtc aaatcttgc aaggcccccg tattttttt aagatttat gaagtctgt	120
caaaagctt aaaaagaaat gcctctgcct tgcctgcaat acatgcaatg tacgttaact	180
tcgtctctgt cctcagacac tgcgttatt tactccctt tttccctttt tcttaat	237
<210> 291	
<211> 398	
<212> DNA	
<213> Homo sapiens	
<400> 291	
caaaagaaaa aaaatagtgt tttattaact accacactgt tataatacac tttaaacgtt	60
caataaggtt gcctttaat ttgaggtggt cttaagaata acaaataac agaattccaa	120
atttttggaa taggtgaact gctgttagttt taggtataaca tttagggaaa ttgtatagct	180
tttacaagac cagcaatgaa actttatgtt gtacattttt ttaataattt aaaaatataaa	240
caataattaa aaaataaaag aaaataacagc ataataaaaa acatacattt ctcaattaa	300
tgtactggat acatataaat tttaaggaa gaagaaaaaa aggaaaaatgg ttgatatttta	360
agtgcagact gactacctt acgaaaaaaaaaaa aaaagctt	398
<210> 292	
<211> 390	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (0)...(0)	
<223> n=a, t, g or c	
<400> 292	
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agagcgcccc caggagaaaac aagcttgcata actatgccat catcaagttc cccttaacta	120
cttagtcaga catgaagaaa atagaagaca acaacacact tggatgtca	180
aggccaataa gcaccagatc aaacaggctg tgaagaagct ctatgacatt gatgtggcca	240
aggtcaacac cttgatcagg cctgatggag agaagaaaagc atatgttca ctggctcctg	300
actatgatgc tttggatgtt gccaacaaaa ttggatcat ctaaactgag tccagccggc	360
tataaatcta aatataaatt tttcaccat	390
<210> 293	
<211> 418	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (1)...(390)	
<223> n = A, T, C or G	
<400> 293	
aagctttttt ttttggac tgctttgat taatgcagtt atccaattta agtgtttta	60
ctttaactca aagtaaaaag aaattctcac atggtaacta ctctatttaa atggcctgg	120
aaacattaaa cagcttctg ctgcttgctt aatggtaata cctttgattt ctgttctta	180
ggacatagct gatttattag gtaaaagtact ctgtcaattt taccttcacc caagactgtc	240
atgtttaaaa tacttagt gtgggagaaa tccttgctg ttttattgt gagaggaatg	300
gtcattcctca aagtctgtt ctactacata atgtgacta attatttttt ctatcacagt	360
attaacaaat ggatttattt taaaataaaaaa gaagatatta atatactatt ctatgtc	418
<210> 294	
<211> 421	
<212> DNA	
<213> Canis familiaris	
<400> 294	
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cggaaattttt taacttcaga tttcatgaag aaatatatta gcaatataact gtcaataaaag	120
catcatcatt aatagctaac tacatataaga ttctggatta acttccttca gttgttctca	180
aattaagact tttccaaaac atatctgatg tttcaatta aatgtcacag ctaaaataaa	240
ttcacacagg agttacaaaaa catgtgactt gtgctttaaa aatttataat tatttgttg	300
atagccacca ttctgttaatg gatttctcaa caatgaagtgt tttataat atttggaaa	360
atatctaaaaa cctctatccc cattcaactg ataagtatgc tcttttaaaa aaaaaaagct	420
t	421
<210> 295	
<211> 356	
<212> DNA	
<213> Canis familiaris	
<400> 295	
aaagaaaagta attatggAAC tagatttttA acattgtAAA atactaaATG atccttcAGT	60
tgtAAAGTTGA tatataATTG TAACCTTGT gaaattgtat ctttatgAAA ataccACTTT	120
tgtggaaAGAG agaattccAAc tatgtAATAT ttaattAAAAA caatccATGT ttaccCTATC	180
cctgctcaat taaacAGTGT atatAGGTCT aataatAGCT ctggAGCAc ttttATCATG	240
agtcaaATAAT attaaACACA ttGATGTCTT ctggTtatAt ctgAAAACAA gaggtAGAAG	300
tcctgttGAG agtcttAAA ataaACTATT tttacaAAAtG taaaaaaaaa aAGCTT	356
<210> 296	
<211> 390	

<212> DNA
 <213> Homo sapiens

<400> 296	
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agagcgcccc caggagaaac aagcttgcatt actatgccat catcaagtgc cccttaacta	120
ctgagtcagc catgaagaaa atagaagaca acaacacact tggatgtca	180
aggccaataa gcaccagatc aaacaggctg tgaagaagct ctatgacatt gatgtggcca	240
aggtcaacac cttgatcagg cctgatggag agaagaaaagc atatgttcga ctggctcctg	300
actatgatgc ttggatgtt gccaacaaaa ttggatcat ctaaactgag tccagccggc	360
tataaatcta aatataaatt ttccaccat	390

<210> 297
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 297	
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gaaaataat ccaaattccat caacccctt attaatgtca ttcttcctg aggaaggaag	180
atttgatgtt gtgaaataac attcggttact gttgtg	216

<210> 298
 <211> 165
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (0)...(0)
 <223> n = A, T, C or G

<400> 298	
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gaaacantaa agaggttagc cagagaaact tgaacccaaag aaaagacagc acgctgttca	120
gaatggtcaa taagagccta aaacggtacc ctcggaatga agctt	165

<210> 299
 <211> 165
 <212> DNA
 <213> Canis familiaris

<220>

<221> misc_feature
 <222> (1)...(165)
 <223> n = A, T, C or G

<400> 299	
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gaaacattaa agaggttagc cagagaaact tgaacccaaag aaaagacagc acgctgttca	120
gaatggtcaa taagagccta aaacggtacc ctcggaatga agctt	165

<210> 300
 <211> 150
 <212> DNA

<213> Homo sapiens

<400> 300
ccatcaaattg taatttattt aaataacaat tcaattgcat gttaagtaaa ccagttgttag 60
caatataaaa atacagaatt ttgagaaaaat ctggcaaatt aaacctgtat ctaaatgcag 120
catattctgt gatactacgg aatgaagctt 150

<210> 301

<211> 124

<212> DNA

<213> Canis familiaris

<400> 301
aagatttcaa agagttagca agtgcattag cagggcagag agagaggcag cagcagactc 60
cctgctgagc tgggagccaa ctgggactc gatgccggga ccccaggatc attaccgaa 120
gctt 124

<210> 302

<211> 249

<212> DNA

<213> Canis familiaris

<400> 302
ggtaaatcc gtccagttt ctgttaatat gccttgaca aactggtaac tcattgtccca 60
tcccagtccc gagtaactgga ccagggaaac tccagccaca gttgagggaa ggccacctgt 120
tggctctggg gcagcaggc atccagtggg cttcaggagt caccaggcct ctgaccagtt 180
cctccccacc aagcagttc agagttgtcc gccaagtcta tttcacacct ctcgtgtatg 240
ccgaagctt 249

<210> 303

<211> 214

<212> DNA

<213> Canis familiaris

<400> 303
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cacacagatc tttaccacca caccccccctt gcctatacag gaaacaacca agttgtgaga 120
acatttatca tgcacagaca catcagggct tgcaggtgct acacaggaat cacaatgct 180
gttccacatc atgtcttctg ttatgccaa gctt 214

<210> 304

<211> 253

<212> DNA

<213> Homo sapiens

<400> 304
acatatgtt agatctctgg cttgttagaag acaagtttat atagcactta aaaaaccatt 60
tggcacatc aatgtcgaac tcaaaactttt aaagagtata gagaactaca aatggaaaa 120
aggaagcaga tatacgctt atgagggaaat tgtgttaatg atctctccctc taaaaaagga 180
ctctccctt ttatcataat gaccacactg cccgtccctt aaaccactgg tcgctgacat 240
tatgccgaag ctt 253

<210> 305

<211> 311

<212> DNA

<213> Canine familiaris

<400> 305		
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ccagtgaaag cagctcaatc ctgctcagtt aggctagttt aagaaccata cttaaaaaa	120	
agaaaggaag acaggcaaac aagtttta caggagcaac agacttcaag gtcacccca	180	
caagacaccc tgcacagcag ggacggggac agggaggatg acctttagg gcctgtgcct	240	
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tgccgaagct t	311	
<210> 306		
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<212> DNA		
<213> Canis familiaris		
<400> 306		
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aggaagcaga tatacgctt atgaggaaat tgtgttaatg atctctcctc taaaaaagga	180	
ctcttcctta ttatcataat gaccacactg cccgtcctta aaaccactgg tcgctgacat	240	
tatgccgaag ctt	253	
<210> 307		
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<212> DNA		
<213> Canis familiaris		
<400> 307		
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aatatcatgc agcggcttca aatccgaagt ggtgggttga tgtgaagtgg tagtatacgat	120	
gtcggaggaa gcacacgatg aggaatgttag agccaataat tacgtgtaat ccgtgaaatc	180	
cagtggctat aaaaaaggta gatccgtata ccccatcgga gattgtaaaa gatgtctcat	240	
agatgccga agctt	255	
<210> 308		
<211> 253		
<212> DNA		
<213> Canis familiaris		
<400> 308		
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aggaagcaga tatacgctt atgaggaaat tgtgttaatg atctctcctc taaaaaagga	180	
ctcttcctta ttatcataat gaccacactg cccgtcctta aaaccactgg tcgctgacat	240	
tatgccgaag ctt	253	
<210> 309		
<211> 199		
<212> DNA		
<213> Homo sapiens		
<400> 309		
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cgtctttatt tttccaaagg gccttttctt taaaacacct ttttctgatt taatacgaa	120	
taacggtctt cttttccact cgataactat ggtgtcctct tgggttactg cttaagaaaa	180	
gttgggttgg gccatttcg	199	
<210> 310		
<211> 562		

<212> DNA
 <213> Canis familiaris

<400> 310

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ttaactctat	gtacacagtc	gagtttatac	ctgcttaaaa	ttgtcaagta	gagaaaattc	120
tgaaaaatatt	tatgaaaaag	ctattctcat	gctggcagca	atggttaaaa	taaagatatt	180
tccttatta	aaaaagaaaa	agcctaaaaa	acaactttaa	ataatcaagt	tgctgtgaag	240
tgaaaagggtt	tgaaaagtgt	gaaactgaag	ttaaaagtgc	tctatatgtt	tgtttactt	300
taagcaaatt	agacatagt	aataaaattt	gaattttcag	acaaaatttt	tgctttttt	360
ttatttatt	tatatttca	tgagagacac	agagagagag	aggcagagac	acaggcagag	420
ggagaagcag	gctccacgca	ggagccccaa	tgtggactc	gatctggaa	ctccggatc	480
aagccctgag	ctgaaggtag	acactcaacc	gctgagccac	ccaggtgcc	tgatttgctt	540
tttaaagaag	tctccccctt	cc				562

<210> 311
 <211> 318
 <212> DNA
 <213> Canis familiaris

<400> 311

aagcttcggc	atacggtgt	aggttacagt	ccagtttgt	gtgcttact	acacggttt	60
gttacaggac	ttctgtcat	tgtaaaacat	aaacagcatg	gaaaagggtt	aataacctgt	120
tgtagattgt	aagatctgg	ccggacttgc	tgttatatt	gtaacgtt	gtgaaaaaga	180
accccccctt	gtatcatagt	catcggtct	tatgtatgt	aaacagttga	ataatttgc	240
ctcagactct	ttactatgt	ttttaaaat	taagaaaaat	gtaaatatag	taaaaatctt	300
cctatgcaat	taacctgg					318

<210> 312
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 312

aataaggcgt	catctagatt	ttttctgt	aactgaagtt	ggtcaaggat	tgtaggcagc	60
agaaggctca	caaaacggc	agttgaggaa	cagtttagcag	tatctgcaac	atcctcaa	120
atttccttga	acaactctaa	ggctagaaga	gaacagttt	ctgatctgtc	cagaggttgg	180
tttgaccaac	gcagtagagc	cacagtaggt	tctaaacatt	tagaacggct	tcccagaatg	240
gtgttgccag	atggagactg	ttcaaatac	atctgagtga	gcacgtggc	cagctgagtc	300
actgaacaga	aggcaagaag	taattctaa	accttgaag	aagaatcagg	atccttcca	360
ttgagaagac	ctaatacttg	actaagacat	gaagaaaaat	gctcatacct	ggtaagctt	419

<210> 313
 <211> 135
 <212> DNA
 <213> Canis familiaris

<400> 313

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gcacgagttt	ttcagtgaag	ggggtaaagc	atcacaattt	aaaatgttg	caattaaact	120
ggtttgttaa	ata					135

<210> 314
 <211> 143
 <212> DNA
 <213> Canis familiaris

<400> 314		60
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		143
<210> 315		
<211> 219		
<212> DNA		
<213> Canis familiaris		
<400> 315		60
atggtgtgtg tgggttca aatagttat tcacctctgt agtgaaaaa caaggagaaa taaaatctgc ttacaatggc caaaatttat ggagaagccc taaaggcgct ttccccaaat cacaatctg attcaagaga aggaaaaaaa tgatgaaaaa catctcatca cacaactc agtgtgggt ctctgatagt catcagccag cagaagctt		120
		180
		219
<210> 316		
<211> 209		
<212> DNA		
<213> Homo sapiens		
<400> 316		60
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		180
		209
<210> 317		
<211> 217		
<212> DNA		
<213> Canis familiaris		
<400> 317		60
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		180
		217
<210> 318		
<211> 222		
<212> DNA		
<213> Homo sapiens		
<400> 318		60
attaagaaaa aggaaagcaa ggaagtaat acggacagtg tctgagaaca gagacgaagt taacgtacat tgcatgtatt gcaggcaagg cagaggcatt tcttttaaa gctttgcac agacttcata taatctaaa aaaaatacgc gggccttac aagatttgac ttgctgaaat caaaacaatt tccactcata aaaagtcata agacatcagc tt		120
		180
		222
<210> 319		
<211> 232		
<212> DNA		
<213> Homo sapiens		
<400> 319		60
caggctggtg ttataggtga agataggcat ctcttacaga tgggggtggg ggctgttgg actqqtqaag ataggcatct agccagagct gcccagactc cttcagttag tagataatgt		120

cggcgaaggc tgagagcagg ggcttggact ggtactctat gccatgcttg gcacacaggg	180
actgcaccag gggagccact ttatgtaat tgtgtcgagg catcgtaagc tt	232
<210> 320	
<211> 126	
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<400> 320	
ctagaggaag tgcttttat ttttagatca accaaacata tttaatataa aaacctttta	60
ataatacaaac tgtaatcaca attgcatcca cgtacgacg aggaaatggg gtgtgcagg	120
aagctt	126
<210> 321	
<211> 236	
<212> DNA	
<213> Canis familiaris	
<400> 321	
aagcttagag gcagtaaaca ggagcgtccc caagaaaaag aggaaaattct cttctaagga	60
ggagccactt agcagtggac ctgaagaggc tgctgcaac aagagcggca gctccaagaa	120
aaagaaaaag ctccagaagc tatcccagga agattagaat ggacattttt ccaggtgggg	180
caaaccacaca tgattccaaa cccaccctta tatcccaata aaaacaaatt cacagg	236
<210> 322	
<211> 201	
<212> DNA	
<213> Canis familiaris	
<400> 322	
aggcagttgc tttgaacttt atttgagaaa aacaaaaggtaaatgtatca aaagagcata	60
caggttagtg tgcagggacg gtcagtgtatg gctactgagg tgaggatgtg ggctaagcag	120
ggctaaggcc ttacttggc tccagactgc tccgactttc cagttctgg gcccccaatc	180
tgggcacgtt cctctaagct t	201
<210> 323	
<211> 148	
<212> DNA	
<213> Canis familiaris	
<400> 323	
aagcttacca ggtgaagagt ggggttgtca tgaccttggc tatgacgccc agcatttgc	60
ggtggtctcc tctattcttt actttggca tcataaaaaa cgtgtctctg ggggattaaat	120
cttagagaaa aataaaggct ttctgtct	148
<210> 324	
<211> 130	
<212> DNA	
<213> Homo sapiens	
<400> 324	
ccaagggttca ccaagcttca aacaaggact gttcttctaa taattcctgc cacaatataat	60
taatttcttg tagcctactc caacgttccct ctgtccaacg gcacactgct gtccagcgtt	120
caccaagctt	130
<210> 325	
<211> 206	

<212> DNA
 <213> Homo sapiens

<400> 325		
aagcttagca gcacagcaca ccaacatata caaacaccga gtgactacag tacatgccga	60	
ggtaagaaaa gtacattcg ggagactatc actgacactc aagccatttt tatttccaat	120	
atgtttgct ttcacccccc ccagtgc当地 aaaaaaaaaa acctagtcac aaattggagt	180	
aaaataagaat cggtgc当地 tgac	206	

<210> 326
 <211> 346
 <212> DNA
 <213> Canis familiaris

<400> 326		
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tgc当地aaatgt acaggcattca gtgaggaata aagaaggag ct当地gtggta gcaggatgtt	120	
gagcttccaa gaaaatctgg tggggtag aagtggtctg ct当地gc当地tcaaggaaaca	180	
gagcgattaa agaaagagat gtgacagggt aggtgaaaga gatagccaga agttagaaat	240	
gggttacact gaagaagtaa attattttag taaacaataa gtaaatatac tgggataac	300	
aaaaggcctga tttctccact gtctcagaag ggatttgcaa gtatgg	346	

<210> 327
 <211> 375
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (0)...(0)
 <223> n = A, T, C, or G

<400> 327		
aagctttctc tggatgaaca gttaaatggaa acctggaaac ctcttc当地tgg gattattcct	60	
taagcaaggc agtgc当地aaag gcaaccctcc cagcaagact tc当地aaaaca gctggc当地aa	120	
ctacaggatc tgggtctgg tggtaaaat actctccctcc ct当地caat gattc当地aaac	180	
atgtgc当地aaag tggcttagct tt当地catcacat atacataaca gc当地ttatgtt tcaaggtaacc	240	
ctg当地caac aaggaggcagg ct当地ctcttt tt当地acttaaa tgacatgaag tgagaaaaaa	300	
aatgagaata accntcnngg gaattataga gggtaataat tctatcccna ct当地tcaat	360	
aaaaggccatc acggg	375	

<210> 328
 <211> 328
 <212> DNA
 <213> Canis familiaris

<220>

<221> misc_feature
 <222> (1)...(375)
 <223> n = A, T, C or G

<400> 328		
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tatccc当地aa accataaggc tacaacgc当地 aaattggag ctacatcaat tt当地atcgat	120	
tcaaggatc catgc当地cg gccgtcccaa tacactgacc tcaaactatc aggctcaat	180	
cttagagtgg gtcaacaccaa gccc当地ctcaa tgc当地acaacaa atccgagtc当地 aactgc当地	240	

aaaacacggt gtgtccgtgt ctgttqaaac tcttcgcaag ttttgcgag attcaggcat	300
ggtcttcaaa cgcaccggcc acagctt	328
<210> 329	
<211> 160	
<212> DNA	
<213> Canis familiaris	
<220>	
<221> misc_feature	
<222> (0) ... (0)	
<223> n = A, T, C or G	
<400> 329	
gactgagacc atttattcna gacacgcagc tgaccaagga gtgagggagg gaccaggtgt	60
gcaagctaat aaatagagga gggggagact tcctggagct gtagccattc agtcttcatt	120
cttctcaggc atgaaggcat ctctttctg accaaagctt	160
<210> 330	
<211> 128	
<212> DNA	
<213> Canis familiaris	
<220>	
<221> misc_feature	
<222> (1) ... (160)	
<223> n = A, T, C or G	
<400> 330	
aagctttggc cagcaattat attagttgc atttttgta caggtgttaag agaaaggccc	60
cttcttcct tactggaca aatctagaaa tcttacacag atgtgcaaat aaagctcgcg	120
tgtgttc	128
<210> 331	
<211> 116	
<212> DNA	
<213> Canis familiaris	
<400> 331	
gagcagcagt gagcaaaacc cacgaagttg ttttaagggtt acagctatga ataaacattg	60
tccaaacaat gaagatttag ggctgaagaa cgagcgtatg tctacagtcg aagctt	116
<210> 332	
<211> 248	
<212> DNA	
<213> Canis familiaris	
<400> 332	
caggtgcaag aggtttgttt gggaggtaat cctagaaacc acagaagggg gtggggatag	60
gagggatggc aggaaaacca gtaagaactg tggtatttag aaggttatca ctgtggacaa	120
ctggcacaga atacacttca gagctgtcgc cctgagggac aatgacgcac aggtctttt	180
ctctaagtcc tgtttcttat aggccgaggg tggctcctgg gagcagtaac tgccaacagt	240
cgaagctt	248
<210> 333	
<211> 231	

<212> DNA
 <213> Canis familiaris

<400> 333
 aagcttgatt gcccataacct gagccattga tatatttcaa aattatggca caaatggaag 60
 agaaccacat ttgaaaagct tccagcctt caacagaaga taactcttot tgtttgcag 120
 attgagcaga taatttcttt tgaagggtat agtttcctaa attggataaaa accgtggctg 180
 ccattatatt cacagaaaat aaaatgaaaa ctgcgtttaa ttgtggattt g 231

<210> 334
 <211> 239
 <212> DNA
 <213> Canis familiaris

<400> 334
 catatatatt ctttttatt tcttgttata cttccaaa acagagacat tcaacagtag 60
 tttagaatggc catctccaa cattttaaaa aaactgcacc ccccaatggg tgaacaaagt 120
 aaagagtagt aacctagat tcagctgagt aagccactgt ggagccttaa gtggtaggt 180
 cttccaattt cagagtatgt tgtcttcaac ttgtatcatc attttagcgg taaaagctt 239

<210> 335
 <211> 142
 <212> DNA
 <213> Canis familiaris

<400> 335
 ccaaagaagt gtttattaac atttggggcc tcagcgcccc cagagaggaa gtgggtgcta 60
 gaggctcctg aggctcaggg caaggcctgc aagacagatc ccattgctca ggaggcagcc 120
 cagattgcaa atgaaagaca gg 142

<210> 336
 <211> 220
 <212> DNA
 <213> Canis familiaris

<400> 336
 aagcttgcac catatatata actcttgggc agagggctcg gcatacataa gtagatactc 60
 agaaatatct gttggattgt gttgatcaa ttattttgt gttgcttctt ttaaagatga 120
 gcaacttcta ttagatattt ttttgcataa aaaaaagata tttttttgtat catacagatt 180
 taaggcaggat ttttattaaat tcgtttctct tcctgggtgg 220

<210> 337
 <211> 136
 <212> DNA
 <213> Canis familiaris

<400> 337
 ggggcagata aaaacactta atgtaaaatt taccctctca gaaaaatttc cagttatgcta 60
 tacggtatca ctaactatag tcactatagt atacagtata tcccttaggtat ttattcatga 120
 tgtacagtgc aagctt 136

<210> 338
 <211> 280
 <212> DNA
 <213> Canis familiaris

<400> 338

caagtttac cattgttta attattgaaa caaaattaac gtaagttagaa tcatgtgcaa	60
cagtgtctc aacatatacgga agaggtaaat atgaatttta tacaataagg tatattatcc	120
actgtaacaa atttccata attggcatt tatcttcac aaaatgtctc ccaaattcta	180
agcaaagtat gcaaattgga gattaactct aaacaggcat aattatctc ttatccagtt	240
tttctgaaga gactgaagag ttcaggtctg accaaagctt	280
<210> 339	
<211> 192	
<212> DNA	
<213> Canis familiaris	
<400> 339	
aagcttgcac catactccctc ctctacatat gctcccaaatt taccttctaa aaaggctgta	60
ttaattttact ttcaccagta gtattatgag agtgcctcatg tcccttagcc ttttaaaatt	120
cactatgagc aatctttaaa tcatgtacta aatcttatag gcaaagaata gggccttgcc	180
cctgccccctg tt	192
<210> 340	
<211> 137	
<212> DNA	
<213> Canis familiaris	
<400> 340	
attccttttc caaggacctc tcttctatgt gatcactgag taagttcagt cactccatc	60
atctctagat tggagatttc caaatttatg gccttccta acttgaagt ctttatttct	120
aactgcctac taagctt	137
<210> 341	
<211> 203	
<212> DNA	
<213> Canis familiaris	
<400> 341	
aagcttagta ggcaataata gagaagttaga aattgaatgt ggaacattaa ccattaaaaaa	60
tcataactttt gaatgtgctg aggtcatgaa ttgttttac cttcttgtt atttgtgttt	120
ttcagatttt ctgttagttt catatattct ataatcagaa aaagatgctt caagttttt	180
gcagatttca cagaattttt ttt	203
<210> 342	
<211> 203	
<212> DNA	
<213> Canis familiaris	
<400> 342	
aaacaaaatt ctgtgaaatc tgcaaaaaac ttgaagcatc ttttctgat tatagaatat	60
ctgcttaacta cagaaaatct gaaaaacaca aattacaaag aagataaaaa caattcatga	120
cctcagcaca ttcaaaagta tgatTTTaa tggtaatgt tccacattca atttctactt	180
ctctattatt gcctactaag ctt	203
<210> 343	
<211> 219	
<212> DNA	
<213> Canis familiaris	
<400> 343	
aattgtcacg aacagggctg actgacactg cagtgtgtcc ttgtttgtt atccctgatc	60
taggcctcgg ctttccaaac tgcagttgtt caaactggga tatgcttcgg ctgaatctgc	120

tctctggtgc ttctcttaa tcgtttctc cttaaatggg ttactttctt actaggaaaa	180
aaaaaatgtt ccacctctgg aattaacgtt gagaagctt	219
<210> 344	
<211> 368	
<212> DNA	
<213> Canis familiaris	
<400> 344	
aagcttcgac tgtcgcatca atgaatgttt taagtaataa ctttgctgg tatcagcttg	60
atggcatt aattttatgg ctcatttcct ttattttgac cattgtcgga ttcttcattt	120
tatattggac gatccccat cgaacggtac caatttttc agctgtgatt gcggcatgtt	180
tcaacgcgac cggtttgaa attttaaaac atttatttgg ctgggtcatg agtaatttca	240
ccagctatga aatcgtttat ggtgctttt cagcagttcc tatttttcta ctttggatct	300
atctgtcttga aatatcatt ttattgggtt tagaagttag ttatgcactc accgccttcc	360
attctggt	368
<210> 345	
<211> 261	
<212> DNA	
<213> Canis familiaris	
<400> 345	
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gttacataat atatgagata acagagaacc taaaattcat ttggtaaaaa tcaagtgtgt	120
agtataccata aataccaatg agcttagtaag acttgttaagg cactgaagct aaggctaaaca	180
gcaacagagg ctttatgaa aataatttca gaaccacaac gcattctctg atggcattt	240
cccctgggac agtcgaagct t	261
<210> 346	
<211> 193	
<212> DNA	
<213> Canis familiaris	
<400> 346	
catcgccagac atttatttta gttttgttaa tttcaaataat tcattaacct cttgtatcag	60
atttaaggca gagaaaagat acacgcccct ggttaactga accggggttt agatagtgt	120
gtccaccctg ggttccacca gggagacctc acccgagatg acaggtccgg ttgctggc	180
acagtcgaag ctt	193
<210> 347	
<211> 253	
<212> DNA	
<213> Canis familiaris	
<400> 347	
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taatgtccct ttgagctgcc tcctcttcca ctctgcctca gcttgcctat gtcacttcgc	120
tccagagcag ccgcaagagc atcttaacac cttgtggcct gaactctctc ccatctcca	180
ctgtacagt atatgactga aacctcattt aaccttttag aactaccagg aggaggttcc	240
caaggatccc agg	253
<210> 348	
<211> 188	
<212> DNA	
<213> Canis familiaris	

<400> 348
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 ggttttctca tctactacat gatctgtcc caacaataag ccattgaaat taaaggtctc 120
 cagaagttt atctgggtc tgtgattgaa aagaaggaaa atgagatgag agactgccta 180
 ctaagctt 188

<210> 349
 <211> 189
 <212> DNA
 <213> *Canis familiaris*

<400> 349
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 ataaattcct tacgtgtatt atgtacattc agaaaagtgt aaattactca aatattatac 120
 tcaaaacccc ttatagtctg ctaacttgca tgttagaaaca tctgaagtaa catgctgcct 180
 actaagctt 189

<210> 350
 <211> 174
 <212> DNA
 <213> *Canis familiaris*

<400> 350
 aagcttagta ggcataatt ggatccttc ctatgtgaa atggaagaat taatgagctt 60
 acattaatta gtattgtaat gtgtaaagga agcccagcaa aatttttga aaacctgatg 120
 atcccaacgt atttaccatt gtatgttaaa gcaaataaaa tcaccattt ttta 174

<210> 351
 <211> 115
 <212> DNA
 <213> *Canis familiaris*

<400> 351
 aagcttctca acggcctcca ctcctttct gccctcacag ctcctggct ctggcccaa 60
 aagtgattca tttgtaaatt atcatggttt tctgcattaa aatggccatt tctgg 115

<210> 352
 <211> 451
 <212> DNA
 <213> *Canis familiaris*

<220>
 <221> misc_feature
 <222> (0)...(0)
 <223> n = A, T, C or G

<400> 352
 aagctttac cgccatctt gtcctgtgg aggctgtcg ggaccaggac tcctaaagcg 60
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 cggAACAAA gggagcacac agctttctt aaaattgaag gtgttacgc ccgagatgaa 180
 acagaattct atttggccaa gagatgcgt tatgtatata aagcaaaaga acaacacagt 240
 cactcctggc ggcaaaccAA acaaaaccAG nagtcatctg gggAAAAGTA actctggcc 300
 catggAAACA agtggcatgn gttccgtgcc aaattccgaa gcaatnttcc tgctaatgcc 360
 attggacaca gaatccgagt gatgctgtac ccctcanagg attaaaaact aacgaanaan 420
 caataaaataa atgtggattt gcgntctng g 451

<210> 353

<211> 242
 <212> DNA
 <213> Canis familiaris

<220>

<221> misc_feature
 <222> (1) ... (451)
 <223> n = A, T, C or G

<400> 353

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gtaatggaaa agctctctt gaggcaggaa tcacaactct tccttcttcccagtct	180
ctcgtggct cttcccgga gcgctcgaat gaaactggta aaccccgatt ccgtccgatc	240
gc	242

<210> 354
 <211> 239
 <212> DNA
 <213> Canis familiaris

<400> 354

catatatatt ctttttattt tcttggtata cttcccaaa acagagacat tcaacagtag	60
ttagaatggc catctcccaa cattttaaa aaactgcacc ccccaatggg tgaacaaagt	120
aaagagtagt aacctagagt tcagctgagt aagccactgt ggagccttaa gtggtaggt	180
cttccaattt cagagtgtat tgcattcaac ttgtatcatc atttttagcggt taaaagctt	239

<210> 355
 <211> 163
 <212> DNA
 <213> Canis familiaris

<400> 355

ccaaagaagt gtttattaac atttggggcc tcagcgcccc cagagagggaa gtgggtgcta	60
gaggctctg aggctcaggg caaggcctgc aagacagatc ccattgctca ggaggcagcc	120
cagattgcaat atggaagaca gccatggta gcggtaaaag ott	163

<210> 356
 <211> 161
 <212> DNA
 <213> Canis familiaris

<400> 356

gcactaaatt caaaccaatg acctccatg ttcttaattct gattgtttaa tccaaactggg	60
agggttaaacg ggagactctt tggctgtca gtgacaaaat gttttgtaaa aaagaaaaaa	120
taataacgt atacaagtaa gtataactag cactcaagct t	161

<210> 357
 <211> 253
 <212> DNA
 <213> Canis familiaris

<400> 357

agcatatgta agatctctgg cttgtagaag acaagtttat atagcactta aaaaaccatt	60
tgttacatta aatgtcgaac tcaaactttt aaagagtata gagaactaca aaatggaaaa	120
aggaagcaga tatacgctt atgagggaaat tgtgttaat atctctcctc taaaaaagga	180

ctcttcccta ttatcataat gaccacactg cccgtcctta aaaccactgg tcgctgacat	240
tatgccgaag ctt	253
<210> 358	
<211> 222	
<212> DNA	
<213> Canis familiaris	
<400> 358	
aagcttcggc atagttactg tttgattta agttttata tagttcttag ttttgaagaa	60
atccttcaag aacagttct ctaaagagca tgtttaatt aaatgctaat taattacctt	120
tcttagttt ccaatttagt aggccactt caatgtctat taaagtgaaa taaaccttct	180
gaacttaaac attttaaat cgattaaaaa ttgtgtcaaa at	222
<210> 359	
<211> 291	
<212> DNA	
<213> Canis familiaris	
<400> 359	
aagctttttt ttttcaaaa cggatttgta aaaactgtat ttcttacact gtgcacaaac	60
cttttatact aaataaatat ccaaactacat tttcagaaa gatgtttcta gtattttct	120
taggtcaettt ccatatgttag tatgtacagt gagaccactt ttaaaaaagc aatgacttag	180
gcaaaccaac cctaattgtt tggtagacca ttccctgtt ttaattaaa aatcataggg	240
ttgtgcttct gtataaagtt tgtacatttc acaatgtaaa atactgacat t	291
<210> 360	
<211> 423	
<212> DNA	
<213> Canis familiaris	
<400> 360	
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ttcgcccta tattggttac catcaatttt gcccctatca caatctcatg gtgtgttcct	120
tgcattgtgc aggaactcaa caaatgtctg ctaaatttgc agatggagcc ccagacgacc	180
taaaacttgc actttagaag cacttacttc atcctgagct attatgaata aggaactcaa	240
gtgactgtta aaagcattct actgtatggt tggtaatgtt ctaaagcaac atatctcaa	300
ggaaaggata ttgagtttgt ctccaccata aaatcctatt ttaaaacaaa ggtactactt	360
aaaaatggtc ttccaaaggc ctcagcagag gttctaaaga gatgtgacaa tatgccgaag	420
ctt	423
<210> 361	
<211> 299	
<212> DNA	
<213> Canis familiaris	
<400> 361	
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gctcaatccct gctcagttag gctagttgaa gaaccatact ttaaaaaaaag aaaggaagac	120
aggcaaacaa gtgtttaca ggagcaacag acttcaaggt cacccccaca agacaccctg	180
cacagcaggg acggggacag ggaggatgac ctcttagggc ctgtgccttc gcagaggtgc	240
tcggcggatg ggtgtggatc tcttgggtgt ctccctttct gtcatctatg ccgaagctt	299
<210> 362	
<211> 223	
<212> DNA	
<213> Canis familiaris	

<400> 362
 aagttcggc ataaacgatc catttcctc ggcctccaa agtgctaagg ttccaggcgt 60
 gaaccacca tcccagcctg ttcttttt tatctctagg tggtgctctc cagctgttagt 120
 agaaatagca tttgtattgg atctatTTT taaaataggg actaaataca gaccatTTG 180
 ttagagtcaa atgccaaca agaacgagat tttctctt gct 223

<210> 363
 <211> 420
 <212> DNA
 <213> Canis familiaris

<400> 363
 aaaagagcat acttatcagt tgaatgggaa tagaggttt agatatttc caaaatattt 60
 ataaaacact tcattgttga gaaatcactt acagaatggt ggctatcaaa caaataatta 120
 taaaatTTTA aagcacaagt cacatgttt gtaactcctg tgtgaattt ttttagctgt 180
 gacatttaat tgaaaacatc agatatgtt tggaaaagtc ttaattttag aacaactgaa 240
 ggaagttaat ccagaatcta tatgtatTTA gctattaatg atgatgctt attgacagta 300
 tattgctaat atatttcttc atgaaaatctg aagttaataa gtttcgttgt ggaatagtgt 360
 cactgtaaaca ttcccTTAC gaagttcaat aaaccagct tgccataaaa aaaaaagctt 420

<210> 364
 <211> 421
 <212> DNA
 <213> Canis familiaris

<400> 364
 atggcaaagg tggTTTATTG aacttcgtaa gggaaatgtt acagtgacac tattccacaa 60
 cggaaattatt taacttcaga tttcatgaag aaatatatta gcaatataact gtcaataaag 120
 catcatcatt aatagctaac tacatataaga ttctggatta acttccttca gttgttctca 180
 aattaagact ttccaaaac atatctgatg tttcaatta aatgtcacag ctAAAATAAA 240
 ttccacacagg agttacaaaaa catgtgactt gtgcttAAA aatttataat tattttttt 300
 atagccacca ttctgtaaGT gatttctcaa caatgaagtg tttataat attttggaaa 360
 atatctaaaaa cctctatccc cattcaactg ataagtatgc tctttaaaaa aaaaaaagctt 420
 t 421

<210> 365
 <211> 356
 <212> DNA
 <213> Canis familiaris

<400> 365
 aaagaaaAGTA attatggAAC tagattttA acattgtAAA atactAAATG atccTTcAGT 60
 tgtaagttGA tataatTTG taacCTTGT gaaattgtat ctttatgAAA ataccACTTT 120
 tggaaAGAG agaATCCAAc tatgtatAt ttaattttAA caatCCATGT ttaccCTATC 180
 CCTGCTCAAT taaACAGTGT atatAGGTCT aataatAGCT ctggAGCAAC ttttATCATG 240
 agtcaaataat attaaACACA ttgatgtCTT ctggTatAt ctgAAAACAA gaggtAGAAG 300
 tcctgttag AGTCTTAAA ataaACTATT tttacAAATG taaaaaaaaa aagctt 356

<210> 366
 <211> 165
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (0)...(0)

<223> n = A, T, C, or G

<400> 366
ccaaaaagag ccatgcccgag agggaaagt ggaaacgaaa gccaaagtttt catttaaaag 60
gaaacantaa agaggttagc cagagaaaact tgaaccaaag aaaagacagc acgctgtca 120
aatggtcaa taagagccta aaacggtacc ctgcgaatga agctt 165

<210> 367

<211> 165

<212> DNA

<213> Canis familiaris

<220>

<221> misc_feature

<222> (1)...(165)

<223> n = A, T, C or G

<400> 367
ccaaaaagag ccatgcccgag agggaaagt ggaaacgaaa gccaaagtttt catttaaaag 60
gaaacattaa agaggttagc cagagaaaact tgaaccaaag aaaagacagc acgctgtca 120
aatggtcaa taagagccta aaacggtacc ctgcgaatga agctt 165

<210> 368

<211> 124

<212> DNA

<213> Canis familiaris

<400> 368
aagatttcaa agagttagca agtgcattag cagggcagag agagaggcag cagcagactc 60
cctgctgagc tgggagccaa cttggactc gatgcgggaa ccccaggatc attacccgaa 120
gctt 124

<210> 369

<211> 249

<212> DNA

<213> Canis familiaris

<400> 369
gggttaatcc gtccagttta ctgttaatat gccttgaca aactggtaac tcatgtccca 60
tccccagtcggc gagtactgga ccaggaaac tccagccaca gttgagggaa ggccacctgt 120
tggctctggg gcagcaggc atccagtggtt cttcaggagt caccaggct ctgaccagg 180
cctcccccacc aagcagtttc agagttgtcc gccaagtcta tttcacacct ctcgtgtatg 240
ccgaagctt 249

<210> 370

<211> 214

<212> DNA

<213> Canis familiaris

<400> 370
ggactgataa taataggatt ttatccat aatttatctt agagctttca aagagtataa 60
cacacagatc ttaccacca caccccccctt gcctatacag gaaacaacca agttgtgaga 120
acatttatca tgcacagaca catcaggct tgcaaggct acacaggaat cacaatgct 180
gttccacatc atgtcttctg ttatgccaa gctt 214

<210> 371

<211> 311
 <212> DNA
 <213> Canis familiaris

<400> 371
 aggaagaata aaaacatata aaaacattt a ttcacttagga ataattgtgg cagacacaat 60
 ccagtgaaag cagctcaatc ctgctcagtt aggctagtt aagaaccata cttaaaaaaa 120
 agaaaaggaaag acaggcaaac aagtgtttt caggagcaac agacttcaag gtcaccccca 180
 caagacaccc tgcacagcag ggacggggac agggaggatg acctcttagg gcctgtgcct 240
 tcgcagaggt gctcgccga tgggtgttgt cttcttggt gtctcctctt ctgtcatcta 300
 tgccgaagct t 311

<210> 372
 <211> 253
 <212> DNA
 <213> Canis familiaris

<400> 372
 agcatatgt a agatctctgg ctgttagaag acaagttac atagcactt aaaaaccatt 60
 ttttacatta aatgtcgaac tcaaactttt aaagagtata gagaactaca aaatgaaaaa 120
 aggaagcaga tatacgtttt atgaggaaat tttgttaatg atctctcctc taaaaaagga 180
 ctctcccta ttatcataat gaccacactg cccgtcctt aaaccactgg tcgctgacat 240
 tatgccgaag ctt 253

<210> 373
 <211> 253
 <212> DNA
 <213> Canis familiaris

<400> 373
 agcatatgt a agatctctgg ctgttagaag acaagttat atagcactt aaaaaccatt 60
 ttttacatta aatgtcgaac tcaaactttt aaagagtata gagaactaca aaatgaaaaa 120
 aggaagcaga tatacgtttt atgaggaaat tttgttaatg atctctcctc taaaaaagga 180
 ctctcccta ttatcataat gaccacactg cccgtcctt aaaccactgg tcgctgacat 240
 tatgccgaag ctt 253

<210> 374
 <211> 318
 <212> DNA
 <213> Canis familiaris

<400> 374
 aagttcggc atacgtgtt aggttacagt ccagtttact gtgtttact acacggttt 60
 gttacaggac ttctgtcat tttaaaacat aaacagcatg gaaaaggta aataacctgt 120
 tgcagattttt aagatctggt ccggacttgc ttgttatatt gtaacgttaa gtgaaaaaaga 180
 accccccctt gtatcatagt catgcgttct tatgtatgtt aaacagtttataaataatttgc 240
 ctcagactctt ttactatgtt tttaaaat taagaaaaat gtaaatatag taaaaatctt 300
 cctatgcaat taacctgg 318

<210> 375
 <211> 135
 <212> DNA
 <213> Canis familiaris

<400> 375
 aagtttacca ggttagaggga ctgttgagg tatggacgca cacaggaggg ccaggccaag 60
 gcacgagttt ttcagtgtt ggggtaaagc atcacaattt aaaatgtttt caattaaact 120

ggtttgttaa atatac

135

<210> 376

<211> 143

<212> DNA

<213> Canis familiaris

<400> 376

cagcgaagag gcattaaaga ttcatgccat aagtttattt accaacatgt tgtgtatgtt
gaattcaaga gattgatcca ttttcagag actgcacctc taaaatgtt cctttcaca
tctgttttagt ggatcaaag ctt

60

120

143

<210> 377

<211> 219

<212> DNA

<213> Canis familiaris

<400> 377

atggtgtgtg tgtgggttca aatagtttat tcacctctgt agtggaaaaa caaggagaaa
taaaatctgc ttacaatggc caaaatttat ggagaagccc taaagttgct ttccccaat
cacaatctg attcaagaga agaaaaaaa tcatctcatca cacaaaactc
agtgtggtgt ctctgatagt catcagccag cagaagctt

60

120

180

219

<210> 378

<211> 217

<212> DNA

<213> Canis familiaris

<400> 378

agaaaaaaaaa ttgataatta ggtgcagata gaaaatatga attagaagag gttaattcaa
gtgatcagcc tgaaagttca gcttcattag ctttggtt aatccaccac ttcagatagt
aactaaagta aattttaaat ttcataagaa taaagtaatc cctgaaaaga attcacttt
ttccccagaag aagcttataa taaaaaaaaa aaagctt

60

120

180

217

<210> 379

<211> 126

<212> DNA

<213> Canis familiaris

<400> 379

ctagaggaag tgcttttat ttttagatca accaaacata ttaatataa aaacctttta
atatacaaac tgtaatcaca attgcatcca cgtacgacg aggaaatgg gtgtgcagg
aagctt

60

120

126

<210> 380

<211> 236

<212> DNA

<213> Canis familiaris

<400> 380

aagcttagag gcagtaaaca ggagcgtccc caagaaaaag aggaaattct cttctaagga
ggagccactt agcagtggac ctgaagaggc tgctggcaac aagagcggca gtcacaagaa
aaagaaaaag ctccagaagc tatcccagga agattagaat ggacattta ccaggtgggg
caaaccacaca tgattccaaa cccaccctta tatccaata aaaacaaatt cacagg

60

120

180

236

<210> 381

<211> 148

<212> DNA

<213> Canis familiaris

<400> 381
aagcttacca ggtgaagagt ggggttgta tgaccttggc tatgacgcoc agcattcga 60
ggtggctccc tctattcttt actttggca tcataaaaa cgtgtctctg ggggattaat
cttagagaaa aataaaagcct ttctgctg 120
148

<210> 382

<211> 346

<212> DNA

<213> Canis familiaris

<400> 382
aagcttctgc tggtatggaa agccttcaag gaagaggta atgaggggaa agaagtgcgt 60
tgccaaagtgc acaggcattca gtgaggaata aagaaaaggag ctcagtggta gcaggatgtt
gagcttccaa gaaaatctgg tgggtggtag aaagtggctg ctgtgcactg caaggaaaca 120
gagcgattaa agaaagagat gtgacagggt aggtgaaaga gatagccaga agttagaaat
gggttacact gaagaagtaa attatttgat taaacaataa gtaaatatac tggggataac 180
aaaagcctga tttctccact gtctcagaag ggatttgcaa gtatgg 240
300
346

<210> 383

<211> 375

<212> DNA

<213> Canis familiaris

<220>

<221> misc_feature

<222> (0)...(0)

<223> n = A, C, T or G

<400> 383
aagctttctc tggatgaaca gttaaatgga acctggaaac ctcttcctgg gattattcct 60
taagcaaggc agtgtcaaaag gcaaccctcc cagcaagact tcagaaaaaca gctggcagaa
ctacaggatc tggtgctgg tggtaaaat actcttcctcc ctgttcaaat gattcagaac 120
atgtgcaaaag tggcttagct ttcatcacat atacataaca gcattatgta tcaagttacc
ctgttcaaac aaggagcagg cttcctcttt ttgacttaaa tgacatgaag tgagaaaaaa 180
300
360
375
aaatgagaata accntcnngg gaattataga gggttataat tctatcccna ctattcaat
aaaagccatc acggg

<210> 384

<211> 328

<212> DNA

<213> Canis familiaris

<220>

<221> misc_feature

<222> (1)...(375)

<223> n = A,T,C or G

<400> 384
aagctttctc tggctttccg aaggtaaaaac tggccgaa gttgctgcgt tacaagagcg 60
tatccccagaa accataaggc tacaacgcgg aaattggag ctacatcaat ttgaatcgat
tcaagaaggcatcgctcag gccgtccaa tacactgacc tcaaactatc aggctcaaat 120
180
240
300
cttagagtgg gtcaacacaa gcccactcaa tgcagaacaa atccgagtc aactgcata
aaaacacgggt gtgtccgtgt ctgttgaac tcttcgcaag ttttgcgag attcaggcat

ggtcttcaaa cgcacccgcc acagcttg 328

<210> 385
<211> 45
<212> DNA
<213> *Canis familiaris*

<400> 385
tcttagtcgac ggccagtgaa ttgtataacg actcactata gggcg 45

<210> 386
<211> 30
<212> DNA
<213> *Canis familiaris*

<400> 386
aagcagtggatcaacgcag agtacgcggg 30